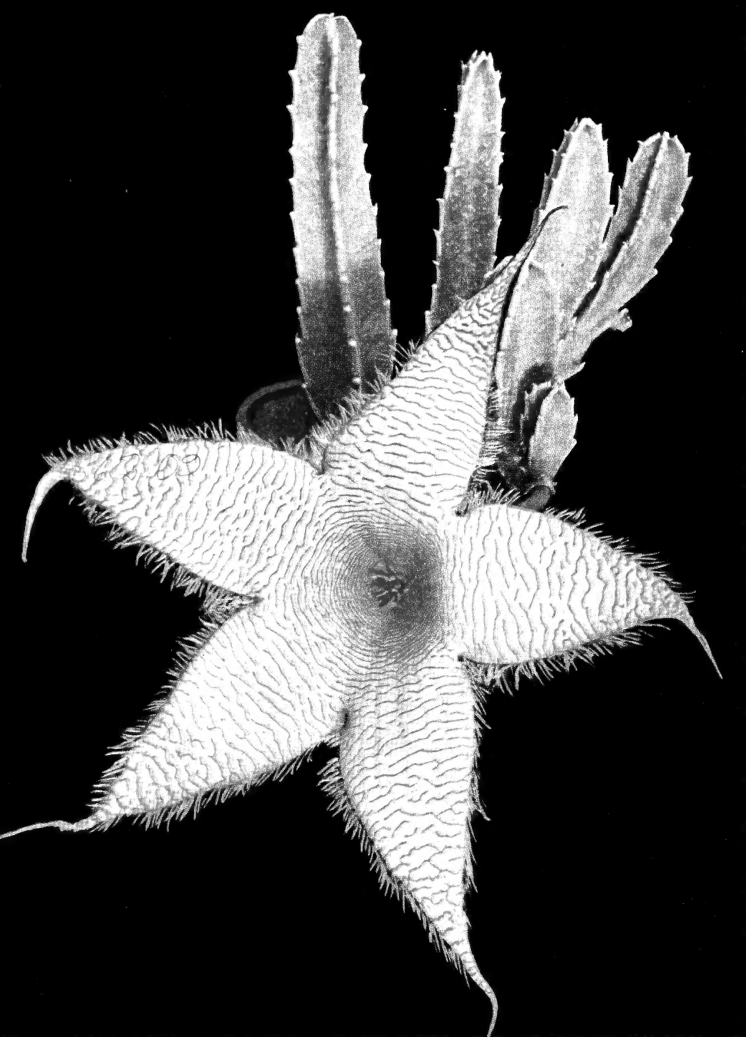


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Do not assume content reflects current scientific knowledge, policies, or practices.



21242

Ficocereus cholla

TREASURE TROVE

from

CACTUS LAND



PRICE 10 CENTS

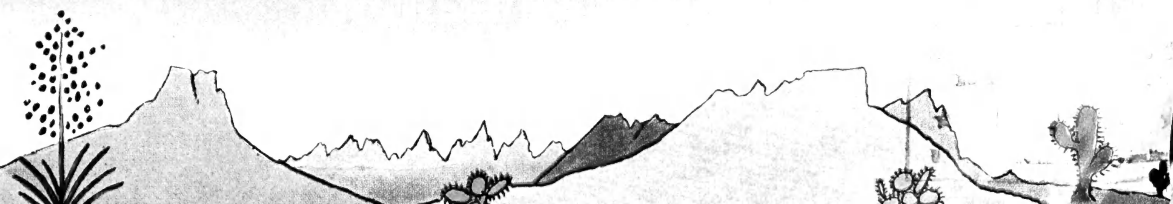
•

This charge is to help defray unusual costs attached to catalog making at this time. A big value for Cactus Enthusiasts.

GIANT STAR FLOWER [one half natural size]

Fine Plants 35 and 50c.

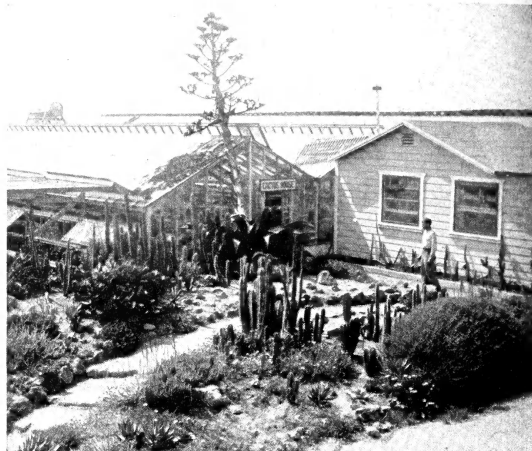
JOHNSON CACTUS GARDENS



Latest News from Cactus Land

LARGEST SELECTION

Our selection is one of the largest in the world with plants from all regions where Cacti or Succulents are found growing wild. There are hundreds of thousands of seedlings filling our green-houses and we are always adding to our collections. Collectors are continually searching out for us new, rare and interesting things that we will offer in future catalogs. Several new and interesting genera have recently been discovered and we hope to be able to offer them soon.



WHEN YOU VISIT LOS ANGELES STOP AT HYNES

Our friends are always welcome at our Nurseries and we hope that you will visit our growing grounds and see for yourself the many interesting plants in our collections. Tens of thousands of specimens, from tiny, fat seedlings to large flowering trees.

HIGHEST QUALITY

Only by direct shipment from the grower can you be assured of fresh, healthy rooted plants. Our plants are dug daily as required by our packing crews. Why waste time and money on less fresh plants when you can be assured of clean, vigorous stock from the world's largest grower? We invite comparison of our plants and products.

LOWEST PRICES

You will note that our prices have not advanced though labor and supplies have increased more than 20%. By economies effected through improved techniques—our complete establishment has been overhauled—we hope to keep operating expenses at a minimum.

Our eligible men have enlisted in our armed forces, my son in the Air Corps, my foreman in the Artillery, and though it is too much to wish, we hope our plant or experience can be put to some concrete use.



THE CREDO OF A GARDENER

We believe the growing offensive power of our armed forces is the one dominating, over-riding reason for our daily existence. Every wish, every need must be subordinate to our will that democracy and ourselves shall be victorious.

Our way of life must survive; but for the millions who in the nature of things cannot be employed in direct war work, life must go on. We each must fit our living into the changing pattern with as little unsettling commotion as possible. In the trying times ahead we will need relaxation from our mounting responsibilities and many new friends will turn to that oldest and most satisfying of human occupations—the tending of growing things that require only sunlight and patience as vital supplies.

AERIAL VIEW OF OUR NURSERIES

A partial view of our 10 acres of green-houses, cold frames and Water Lily Pools. In the foreground are our Cacti, in the background the pools in which our other great specialty, Water Lilies, are grown.



OUR GUARANTEE

WE GUARANTEE to send you only fine healthy plants true to name and that they will reach you in fresh planting condition. If for any reason packages are damaged in transit we will replace any injured plants free. All complaints must be made within 10 days. Owing to conditions over which we have no control, i.e. your culture, etc., no adjustments can be made after this period. We beg your indulgence if only a plant or so is damaged that we may send you a credit card to be used with your next order.



TERMS

**I GUARANTEE SAFE DELIVERY
ANYWHERE . . . ANYTIME**

FREE DELIVERY of all orders amounting to **\$1.00 or more**. A few specimen sizes noted in text are F.O.B. Hynes.

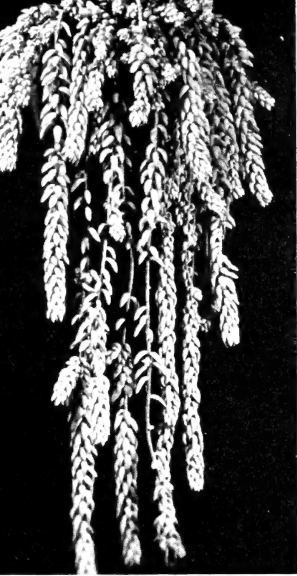
MINIMUM ORDER for free delivery is **\$1**. Orders for less must have **15c extra** to cover packing costs.

MAY WE SUBSTITUTE IF OUT?

Will you provide us with one or two second choices in your order? We will use them only if absolutely necessary.

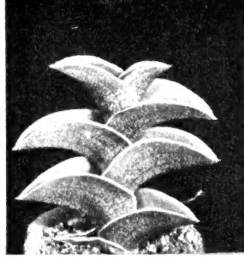
Some Rare and Unusual SUCCULENTS

SUCCULENTS are beautiful in their simplicity and astounding variety. They are becoming increasingly popular as our patrons become acquainted with their endless variations. Some are grown for their spectacular blossoms as the *Rocreas* and *Stapelias*; others for their odd shapes and peculiar habits. Such fascinating xerophytes as the *Stone Faces* (*Lithops*), *Dinteranthus*, *Living Rocks* and the exotic "window plants" are among the marvels of nature and are matched nowhere else in the plant world.



BURRO TAIL

The finest new succulent introduced in many years! *Sedum morganianum* fills an especial place in the window garden. Beautiful blue-white, dent tails up to 2 feet long. May be grown in a pot on shelf or in a suspended pot. Likes plenty of water and not too much sun. Very easy to grow and everyone will succeed with it. It was first growing in a Mexican peon's house in the mountains. The Mexicans call it "Cola de Burro" Burro's Tail and prize it highly. Described in *Gardener's*, *Better Homes and Gardens*, *etc.* Each 35c and 50c



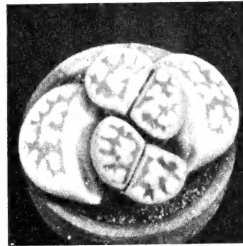
CHAIN PLANT

Bears 3/4" handsome pink blossoms all summer. Likes sun and grows quickly. During summer throws out long flowering runners. Each 15c



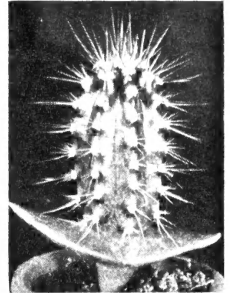
EMERALD CHALICE

Puya spathacea is very different with rose blossoms and emerald green, arching leaves. Likes water. Each 15c



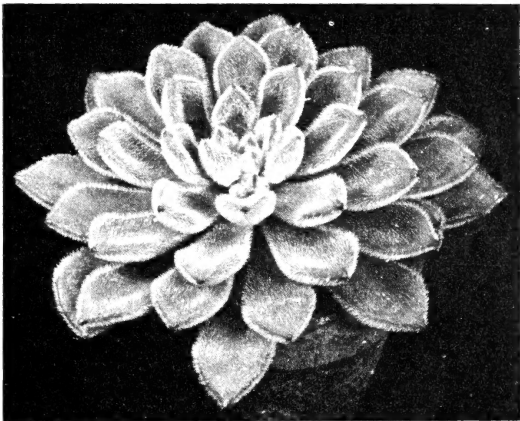
LITHOPS BELLA

This Stone Face has a bright pattern of "windows" on the top of its single pair of leaves between which the charming blossoms appear. Like all Lithop it wants a very sandy soil. Each 25c



INDIAN COMB

Pachyverus pecten-aboriginum. In the window garden this seldom exceeds 6" in height but in Mexico where it grows in sparse forests it lifts its huge columns to 30 ft. with great, upcurving arms. Indian women for ages have used the large, flexible, blunt-spined fruits for combs and excellent ones they are. Each 15c



DYCKIA ALTISSIMA

The orange blossoms are borne on many branched 5 ft. stems and last for weeks. It belongs to the same family as the Pineapple and hails from Brazil. We find it one of the prettiest flowering plants in our gardens. Nice plants. 2" 3" 15c.

STAPELIA NOBILIS

This Grand Star Flower reaches 6"-8" across and is one of the prettiest as well as curious plants that we have. A few fine plants. 40c.

ECHEVERIA SET-OLIVER

Blooms very early in the spring with large waxy red bells on handsome spikes. Handsome plush covered leaves tipped red. A fine specimen plant. Each 25c.

SPIDER FLOWER

The rare and beautiful flowered *Ceropegia stapeliiformis*. We have only a few plants of this fascinating plant. 3"-6". 37c.

ECHEVERIA DORIS TAYLOR

This lovely plant is like the Mexican Firecracker but much larger. The silver haired leaves glisten as the light slants across them. The flowers are orange red, last a long time and are extremely beautiful. The rosettes of leaves may become 8 inches in diameter. Give it plenty of light but not too much sun. All of these hairy leaved *Echeverias* like a moist rich soil with some sand. Each 35c

AT LEFT

PANDA PLANT

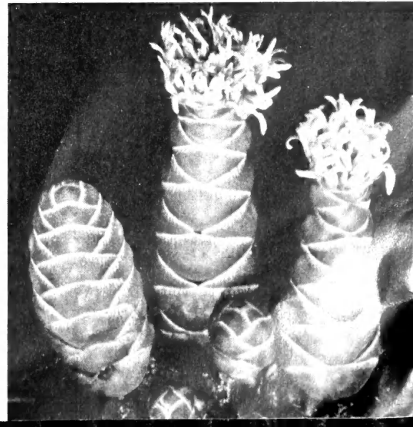
You will never regret having this most easily grown *Kalanchoe tomentosa*. The silvery, plush covered leaves are stained on the edges with rich, rust-brown giving the entire plant a most charming appearance. It will become quite bushy with many branches but seldom exceeds 8" in height. Likes a rich soil and for rapid growth feed it and keep the soil moist. 4"-6" 25c. Medium 15c

AT RIGHT

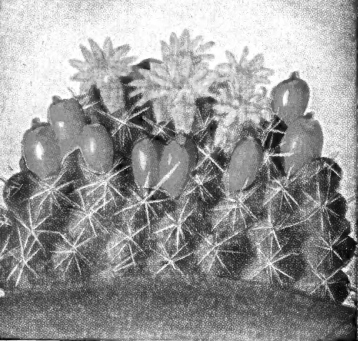
RATTLESNAKE CRASSULA

The rare *Crassula teres* is seldom seen except in the choicest collections. Several stems arise from the base each eventually terminating in a cluster of white blossoms that scent the room with fragrance. It grows slowly and likes a light soil with coarse sand and some leaf mold. Keep barely moist. Each 50c

Copyright 1942



Mamillarias OR PINCUSHION CACTI



CORAL CACTUS, Nat. Size

The Coral Cactus is one of the prettiest of all with its circle of brilliant red berries and charming cream blossoms. The berries burst forth ripe and scarlet taking only a day or so to appear as they mature within the plant from the previous season's blossoms. The plants grow readily and flower and fruit profusely, the berries appearing at odd intervals during fall, winter and spring. Everyone succeeds with it and our plants will always fruit! Extra giants 3" to 4" 75c. Mature 2½"-3" full fruiting specimens. 50c

LOVELY MAMILLARIAS

MAMILLARIA ANGULARIS. One of the most striking winter bloomers with large, brilliant pomegranate-red blossoms borne in a bed of pure white wool. The large, low nipples have a long down-curving central spine and stiff radials. A vigorous plant soon forming a clump. 1"-1½" 25c.

MAMILLARIA ANGULARIS LONGISETA. This charming variety flowers freely in winter. You will like it. 1"-1½" 25c.

MAMILLARIA CENTRICIRRHIA. A fine water flowering variety with cream blossoms forming handsome many-headed specimens. Grows in the region adjacent to Mexico City. A few fine 2"-3" flowering size. 50c.

MAMILLARIA CENTRICIRRHIA ROSEA. We secured this fine new variety from Mexico two years ago. Like the type it is a late winter and early spring bloomer. 1"-1½" each 18c.

MAMILLARIA CARNEA. A pretty flowered variety from central Mexico with broad, low, triangular nipples of pale green tipped with reflexed, stout spines. A pretty specimen plant. 25c.

WELL PACKED PLANTS

Dear Sir:

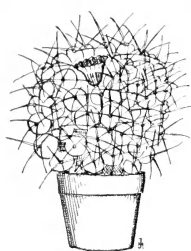
I received my order in excellent condition and as I was potting the last plant a neighbor came in and said, "How on earth did they ship them, they look so fresh and not a spine broken." The next day one bloomed! Thanks for the extra ones. Enclosed find a new order.

Sincerely,

MRS. MARY BRUNSON,
2931 Glendora Ave.,
Cincinnati, Ohio.

PAINTED LADY, 2/3 Nat. Size Echeveria Dorenbegii

A choice winter and spring flowering succulent and one that grows quite easily. The blossoms are orange-red borne on short spikes and several may appear on each plant. The leaves are much prettier than shown, being powdered white with red tips. Giants 25c. Fine flowering size. 15c



BEAUTIFUL MAMILLARIAS

These lovely cacti are particularly fine for the person who has but a limited space. Even when fully mature the plants are not too large and



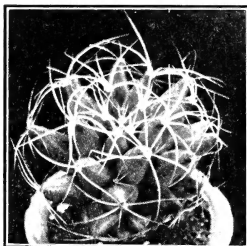
they all grow readily even for the beginner. Every garden should have a representative collection such as these offered below.

COLLECTION N1A

10 Labeled plants including Powder Puff, Lady Fingers, etc. \$1.50

COLLECTION N1B

20 Labeled varieties in a fine selection. Bird's Nest, Cotton Cactus, Ruby Dimpling, etc. \$2.50



BIRD'S NEST

Mamillaria camptotrachia

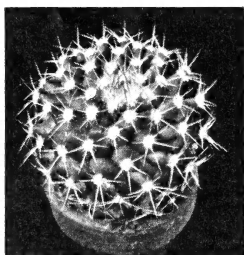
As the photo shows the nipples are tipped with yellow spines that are pappy, soft and harmless. The plant is much given to clustering young plants pushing up from the sides. Flowers pale yellow, likes moisture. 15c

MAMILLARIA KUNTHII.

Quite similar to Mamillaria elegans with close set, white spines tipped black and red blossoms. ¾"-1" 25c.

MAMILLARIA CROCIDATA.

Native to Hidalgo. Flowers are bright carmine in a ring about the crown where they appear amongst the white wool clothing the crown. 1"-1½" 20c.



MAMILLARIA HOFFMANIANNA

This charming variety is a great favorite of mine. With age the crown becomes hoary white and the red blossoms push out through the soft wool. 1"-1½" 15c

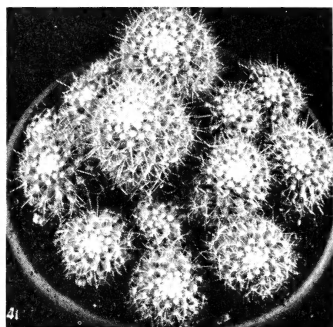
MAMILLARIA DURISPINA. This charming variety has straw colored spines and many pink blossoms during the spring. I am sure you will like this consistent bloomer. In Mexico where it grows wild it is generally a solitary plant and may grow to a height of 6"-1½" 18c.

MAMILLARIA ELEGANS. Of this handsome species I have only a few flowering plants. It is one of the most pleasing of all with white spines and pomegranate red blossoms in February and March. Flowering size 1¾"-2" 37c.

MAMILLARIA ALBICANS. A handsome white spined species from Lower California found on the island of Santa Cruz. Fine 1¼"-1½" 35c.

MAMILLARIA ELEGANS POTOSINA. A beautiful variety larger than the type with fine red flowers. Forms clusters with age. From San Luis Potosi. 1"-1½" 22c.

MAMILLARIA HAAGEANA. A small species with white spines tipped with black. Flowering size 2" 37c.



YELLOW RAINBOW

Mamillaria rhodantha chrysacantha

This lovely variety of the Rainbow Pincushion comes from Hidalgo, Mexico, where it grows in fertile soil on the high table lands. The blossoms are fiery carmine and contrast beautifully with the yellow spines which are sometimes tinged with brownish. They do not like too hot sunshine and just a trace of shade will please them. Give them a sandy but fertile soil. 1"-1½" 27c. 22c

MAMILLARIA FULIGINOSA.

A very pretty species with red spines and quite rapid growth. One of the few species native to South America where it is reported from Venezuela. It was probably one of the first Mamillarias brought to Europe. 1" nice plants. 18c.

MAMILLARIA FLAVOVIRENS.

A flat-topped plant with small nipples, plenty of white wool at flowering. Pink blossoms. 2" 35c. 1" 18c.

LOVELY PLANTS

Dear Mr. Johnson:

The shipment arrived in perfect condition and are such lovely plants. If you could have heard the Oh's and Ah's as each was unwrapped you would know how pleased I was. Did you know the Lady Finger was in bud and now I have a cute little blossom and more coming. Many thanks for the extra sent.

Sincerely,

MRS. DAN FLEISS, Decatur, Mich.

THE HIDALGO PINCUSHION

Mamillaria hidalgensis. A very quick growing and most satisfactory plant. Likes a quite rich soil and quite a bit of moisture. The rounded head is covered with white wool, particularly so at flowering time when the blossoms appear in a crimson circle. Particularly recommended and a favorite of mine. 2½" 30c. 3" 40c. 1"-1½" 17c.

MAMILLARIA PETERSONII. A fine specimen as a small plant and with age may reach 8" in height. It has a very attractive spine pattern and as the plant matures much white wool appears between the nipples in which the flowers nestle. Spring bloomer. From Guanajuato, Mexico. Fine plants ¾"-1½" 20c.

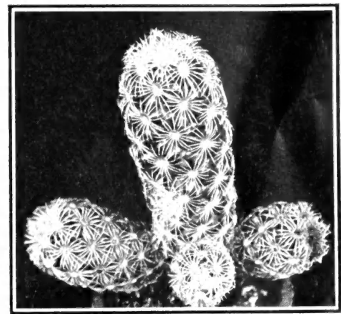
MAMILLARIA MACRACANTHA. A rare red flowered flat-topped species with large triangular nipples tipped with heavy spines. 1½"-2" 30c. 3" 40c.

Culture of Mamillarias

MAMILLARIAS are found principally in Mexico though many are native to the U. S. They extend south through Central America to Colombia and Venezuela, but become progressively less numerous below Tejuantepec. Generally they are mountain species inhabiting the semi-desert ranges. Some however are found right down on the salty sand of the beach.

Though their habitats differ very widely yet in cultivation they all seem to thrive under very much the same treatment. In general those with white spines seem to come from the driest regions and often from limestone country. For this reason we recommend a quite porous soil with powdered eggshells or old lime mortar from brick walls or plaster. However, all varieties like the lime. Our Soil Conditioner is useful and our Cactus Compost needs only the addition of loam and sand to make a perfect Cactus soil. Unless you have plenty of sclerophyllous leafmold you will find it exceedingly economical as one 70¢ package when mixed will make 8 to 12 quarts of compost.

They will grow well in almost any soil. For the expert who likes to take pains we recommend 1 part gritty sand, 1 part rich but sandy loam, 1 part leafmold with a good sprinkling of powdered eggshells or old lime mortar. Some like to add either bricks crushed to the size of peas or charcoal with the intention of keeping the soil open and "sweet." Their growing season is from April till fall when they may be kept fairly moist particularly if they have plenty of light. During the winter less moisture is needed. If you have a porch or garden where they may be placed outdoors during the summer they will show their appreciation by vigorous, matured growth. Many varieties are winter flowering. They all enjoy an airy, light position in the windows.



MAMILLARIA ELONGATA TENUIS

Amongst all the cacti I know this is one of the brightest and easiest to grow quickly forming fine clusters often producing 5 to 10 arms the first season. Fine clusters each **35c**. With 7-10 heads **50c**. Fine single heads... **18c**

MAMILLARIA PHYMATOTHELE. A most rapid growing species with cylindrical dark green stems up to 6 or more inches tall. The depressed top is furnished with white wool among which the bright carmine red blossoms appear in late spring. Give it generous treatment and you will likely have a fine specimen. 1"-1 1/4" **18c**

MAMILLARIA KARWINSKIANA. A very free flowering variety with white petals each striped on the back with red. Grows easily and freely the flat-topped globes with heavy triangular nipples and short spines. Large flowering 2"-2 1/2" **40c**. Small 3/4"-1" **17c**.

MAMILLARIA LESAUNIERI. This rare and distinct variety bears a chaplet of many crimson blossoms. The low conical nipples at first woolly and with many radial spines. Likes a warm sunny window. 1"-1 1/4" **23c**. 3/4"-1" **18c**.

MAMILLARIA LASIACANTHA. A miniature plant with a myriad tiny white spines and pretty pale pink blossoms. Mature flowering 1"-1 1/4" **18c**.

MAMILLARIA MARTINEZII. A very pretty species with reddish spines and solitary growth. **20c**.

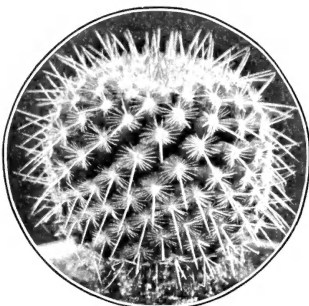
MAMILLARIA CHINOCEPHALA. A rare white spined species. 3/4"-1" **25c**.

MAMILLARIA MELANOCENTRA. This pretty plant is from Monterey, Mexico, has globular stems flattened at the top with white wool and long black spines. Flowers lively pink. A large, beautiful and variable species. 1 1/2" **30c**.

MAMILLARIA McDOUGALLII. A flat-topped species from Arizona with creamy white blossoms and red berries. 3/4" **18c**.

MAMILLARIA NIGRA. A tall growing species received from Mexico with carmine flowers and rounded white woolly head. 2 1/2"-3" **35c**.

MAMILLARIA PERBELLA. A fine species with flattish, depressed top, white spines and pink flowers. 1" **21c**.



OWL'S EYES
Mamillaria Parkinsonii

One of Mexico's finest contributions this lovely species has hoary white spines and a circlet of pale yellow blossoms followed by red berries. The heads fork rather than branch and have 2 or 3 indented crowns giving the plant its appropriate common name. A few specimens 2 1/4"-3 1/2" **50c**. After June 1-17" **19c**



A REAL CACTUS FAN

Dear Sir:

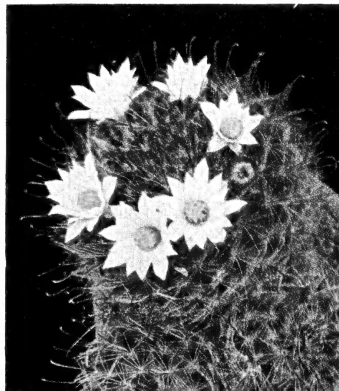
I started collecting Cacti about 3 years ago when I bought one from a florist. I liked it so well that at Xmas I received another. I bought every new cactus I saw, filled the window sill and now have a 5 ft. shelf with 4 rows of potted Cacti—over 100 plants. I have received several additional plants from you and have a few planted in the yard.

I was much pleased with the Cacti sent me on the last order, especially the Grizzly Bear. Since my collection is young the plants are small and when I found that large Grizzly Bear I was delighted.

Respectfully yours,

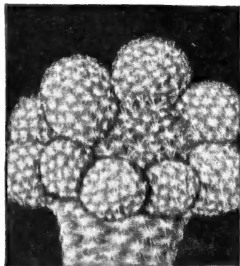
ALBERT LINCK,
1710 Grandview Ave., Portsmouth, Ohio.

Mamillaria microhelia. A lovely little plant with the prettiest golden stars tipping each nipple. A veritable jewel among plants. It was recently discovered in Queretaro. Give it full sunshine and not too much water. Flowers creamy pink. 1"-1 1/4" perfect plants. **22c**.



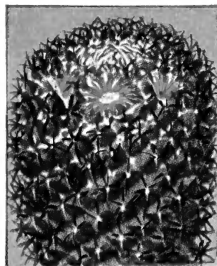
FISH HOOK PINCUSHION

This pretty, delicate spined plant is related to the Powder Puff but has reddish centrals each with a tiny hook. With a cluster of youngsters clinging to her skirts and the charming flowers and fruits you will like. 1"-1 1/4" **23c**



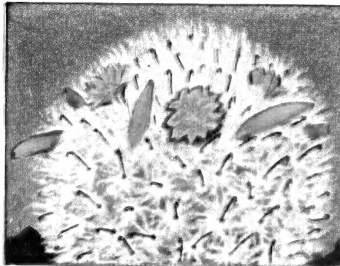
THIMBLE CACTUS
Mamillaria fragilis

Like the "Old woman" who lived in a shoe" this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each **19c**



RUBY DUMPLING
Mamillaria tetraantha

A quick growing cactus with bright crimson flowers and, with maturity, a hoary white head. It has long been a favorite with sturdy growth and vigor. 1 1/2"-2" **35c**. 1"-1 1/4" **25c**. **17c**



POWDER PUFF
Mamillaria bocasana

Like a bursting cotton boll this little plant is clothed with silky, snow-white hair instead of spines though it bears one tiny hooked one on each slender nipple. Very easy to grow and attractive at all times. Nice plants 1"-1 1/4" each **22c**



LADY FINGERS
Mamillaria elongata Schmollii

A dainty gem and so easy to grow. Each little plant is a bright mosaic of rich golden, harmless spines. Quickly forms fine specimens. Nice clusters. 35c each. Single... **17c**

MEXICAN GEMS Collection N-2. These four charming Pincushions only

67c



GOLDEN STARS
Mamillaria elongata

Charming shining yellow each nipple surmounted by a golden star. As it grows rapidly and offsets freely it soon forms a valuable cluster. Grows in either sun or partial shade. When mature it may be 6 inches tall and have a hundred arms. The photo well shows its branching habit and neat spiraling star clusters. Clusters 3 to 5 heads 35c, 7-12 heads 50c. Nice bright plants 1 1/4"-2" 18c

MAMILLARIA PFEIFFERI. A variety of the Rainbow Pincushion with bright yellow spines and carmine blossoms. A lovely specimen plant. 1"-1 1/4" fl each 35c.

MAMILLARIA SEMPERVIVI. A fine flat-topped variety with very short spines on many short triangular nipples. At flowering the wool becomes dense and snow white. Flowers pink in late spring. 1"-1 1/4" 20c.

MAMILLARIA SCHELHASEI. A woolly white species with hair-like, hooked central spine, red-brown in color. The axils and nipples bear a cloud of long silky white hairs among which the creamy white blossoms and scarlet fruits appear. 1"-1 1/4" 20c.

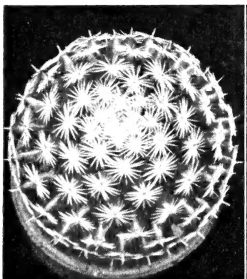
MAMILLARIA SAETIGERA. A new species from Queretaro globose with woolly areoles and white, spreading radial spines. Flowers white with rose stripe. 5/8"-3/4" 21c.

MAMILLARIA SCHMOLLII. A rare species with thickly set, white spines. It does not cluster but forms a pretty cylindrical small plant with yellow blossoms. 1"-1 1/4" 25c. 5/8"-3/4" 17c.

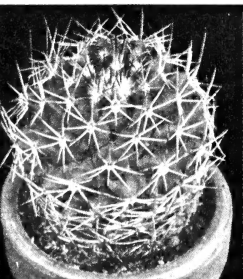
MAMILLARIA SPINOSISSIMA SANGUINEA. A lovely variety with large, brilliant pink blossoms in a perfect crown. The plexed slim white spines are tipped with red on older plants. An elegant plant worthy of the choicest collections. 5/8"-1" 25c.

MAMILLARIA STANDLEYI. Brilliant rose-madder blossoms. Nipples low, triangular-conical with straight spines. A new species. 5/8"-1" 18c.

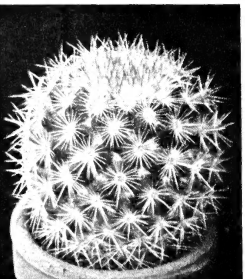
MAMILLARIA TRICHACANTHA. Is quite distinct but faintly suggestive of the Cotton Cactus. Many long, white hairs in axils and on nipples each of which bears a red hooked spine. Flowers pink. 1" 25c.



MAMILLARIA PERBELLA LANATA
Charming rose-pink flowers with a darker stripe down each. Commences flowering in late winter. A very neat little plant. 1 1/4" 25c



MAMILLARIA DURISPINA
Brown and buff spines and nice pink blossoms during the spring. I am sure you will like it for it is a most consistent bloomer. 1"-1 1/4" 18c



MAMILLARIA BOGOTENSIS
Pale yellow spines and pink blossoms borne well down on the stem. A rare and pretty species from Columbia. 1 1/2" flowering 30c. 5/4" 19c

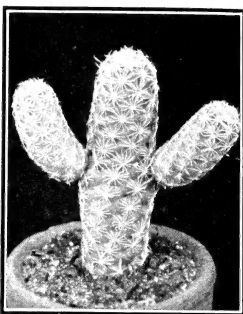
MAMILLARIA POLYTHELE. A choice, quick-growing species with fiery carmine blossoms. Comes from Mexico where it grows to a height of almost a foot sometimes clustering but generally solitary. Give it generous treatment and a light, airy situation in your window, and you will shortly have a valuable specimen. 1"-1 1/4" each 20c.

MAMILLARIA RHODANTHA RUBRA. A distinct variety of the Rainbow Pincushion. The spines are shorter and stiffer with many radials. The pretty flowers are quite a dark crimson and are borne in late spring. It is a lusty grower and forms a handsome specimen with age. They come from Hidalgo where they grow on the mesas in fertile soil. 1"-1 1/4" each 19c.

VIERECK' PINCUSHION. This tiny species often flowers when only a half inch in diameter. It clings close to the ground with slender nipples and yellow spines, later clustering. Comes from the mountains at Tamaulipas. Nice plants 3/4"-1" each 23c.

MAMILLARIA WALTHERI. A variety from Coahuila, dark green, globular, with 4-sided tubercles surmounted by stiff spines, dark brown in color. The flowers are white, berries pink. 5/8"-3/4" 17c.

MAMILLARIA UMBRINA. A dark green, caespitose species with woolly nipples and dark red spines. It has been rather recently imported. A quick grower and with its fiery carmine red blossoms an attractive variety. 5/8"-3/4" 20c.

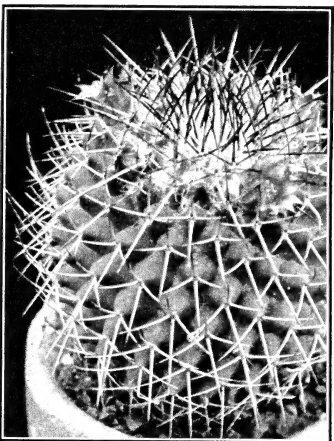


JELLY BEANS
A cute new variety of the Thimble Cactus with finer spines and many branches, each one of which will form a new plant. You will like it. Branched 17c

A COLLECTOR'S COLLECTION

For the collector who appreciates choice varieties at a very low price I am offering a wide selection in many genera. First quality catalog plants correctly labeled!

COLLECTION N 3	
50 species of Cacti and Succulents.	\$5
My selection.....	
COLLECTION N 4	
100 species of Cacti and Succulents.	\$10
My selection.....	
COLLECTION N 5	
50 species of Cacti only.	\$6
My selection.....	



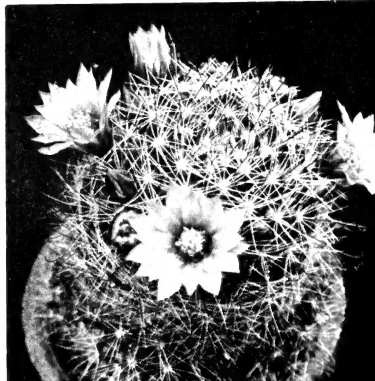
MAMILLARIA PHAEACANTHA
I particularly recommend this early, red flowered Pincushion because of its quick and easy growth here, but none compare with the truly magnificent specimens from your gardens. I was pleased with the size of them and marvel at their beauty. They were all in excellent condition when received. Nice 1 1/4"-1 1/2" flowering 25c. 5/8"-1" 17c

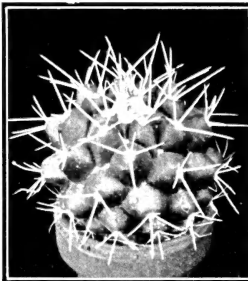
HOW A COLLECTION BEGINS

Dear Sir:
I have had several small plants for some time, some of them slips and cuttings from larger plants given to me by friends and some bought from stores here, but none compare with the truly magnificent specimens from your gardens. I was pleased with the size of them and marvel at their beauty. They were all in excellent condition when received. TED LIGGETT, 428 W. Gordan Ave., Spokane, Wash

ROSE PINCUSHION

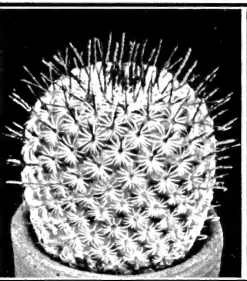
The very lovely Mamillaria Zeilmanniana with its quantities of large, brilliant rose blossoms produced in early spring, is one of the rarest and choicest of all. The flowers are quite the largest and open widely lasting many days in perfection. Of the easiest culture and liking a trace of shade in summer. Give it a fertile, sandy soil. Clustered 50c. 1" 30c





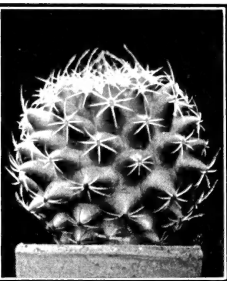
MOTHER OF HUNDREDS
Mamillaria compressa

A pretty variety with white spines and brilliant ruby-red blossoms imbedded in masses of white cotton giving the plant the appearance of being covered with snow. It eventually branches forming close packed mounds with scores of heads! A winter bloomer. $\frac{5}{8}$ "-1" **19c**



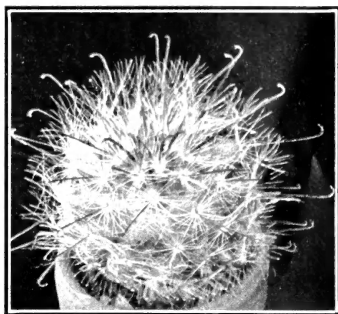
VAUPEL'S PINCUSHION
Mamillaria Vaupelii

One of the prettiest of the smaller, richly colored Pincushions. Beautiful when the sun is shining through the glossy spines! The plants grow singly and may eventually reach 2 in. in diameter. A choice species. Small $1\frac{1}{4}$ " **19c**



PINCUSHION
Mamillaria kewensis

A rapid growing species of which our customers write that it often reaches a foot in height in 3 or 4 years. Makes a prize specimen for with age it assumes an entirely different aspect. Blooms profusely with crimson flowers followed by pale pink berries. $1\frac{1}{2}$ in.-2 in. 35c. $2\frac{1}{2}$ in. 43c. 1 in. **19c**



COTTON CACTUS
Mamillaria longicoma, Nat. size.

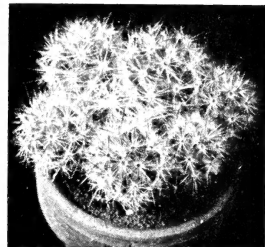
Long white hair with a single tiny, fish hook spine in the center of each tuft characterizes this pretty plant. The cream colored blossoms appear in the spring and are followed by bright pink berries. Nice blooming size $1\frac{1}{4}$ " **20c**

PHOTOGRAPHS

We always enjoy receiving photos of your cactus collections. Everyone enjoys seeing how you have succeeded and many of us find excellent new ideas. We are particularly pleased with photos showing yourself or family that your fellow enthusiasts may know you better. You will receive many letters from other fanciers who are glad to know of your success.

Small snapshots are perfectly acceptable if clear and sharp. Hold your camera steady and see there is plenty of light. With ordinary inexpensive cameras don't stand too close. Less than 6 feet will result in blurred images.

For all photographs used in our catalogs or magazine articles we will be glad to send 10 fine cacti. For particularly fine and usable photos we offer \$5.00 in credit for you to select your own plants. Where photos are reproduced credit for same is always given.



MAMILLARIA CELSIANA

An attractive species with short yellow spines and bright red flowers. With age it forms most beautiful, large, many-headed clusters. Though it grows readily it is not a common plant as seed is very scarce. This lovely variety thrives well in half-shade in a light, fertile soil. $2\frac{1}{2}$ " 45c. 3" 60c. $\frac{3}{4}$ "-1" **26c**

FEATHER CACTUS

This extraordinary plant (*Mamillaria plumosa*) bears feathers in place of spines! One of the handsomest plants I know—snowy white and entirely covered with a feathery fringe. You will have to see it to be convinced. Of the easiest culture. Fine plants $1\frac{1}{4}$ "-1 $\frac{1}{2}$ " **50c.**

MAMILLARIA NUNEZII. A rare new species, solitary with long, slender, silvery spines and red blossoms. $1\frac{1}{4}$ "-1 $\frac{1}{2}$ " **30c.**

MAMILLARIA KUNZEANA. With long, silky-white hairs almost spineless with the exception of two tiny, hooked, dark spines on each nipple. Pale pink blossoms. Fine flowering size $1\frac{1}{4}$ "-1 $\frac{1}{2}$ " each **29c.**

GRAPE CACTUS

This dainty little cactus bears an endless quantity of "pups" each one of which will grow. It is widely spread in Texas, Mexico and even Haiti. Grows easily in sun or shade the cream flowers appearing in the spring. $\frac{1}{2}$ "-1" **15c**

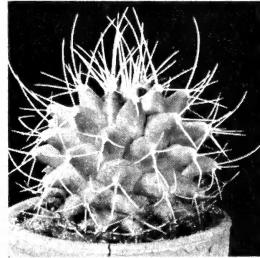
PLANTS WITH GOOD COLOR

Dear Mr. Johnson:
I am so pleased with the plants sent me. They are so strong and have such good color. My "Tom Thumb" is so pretty, such a beautiful golden color. It stands out from all the rest with its beauty the picture doesn't do it justice. Well I am mighty proud of all my cactus—46 in all so you see I have quite a collection now. Many thanks for the "Painted Lady." I have recommended you to all my friends.

A friend and fellow flower lover.

MRS. E. L. SWABY

539 Mary Ave., Collinsville, Ill.



GALEOTT'S PINCUSHION

Mamillaria dolichocentra Galeotti is a very distinct plant with crimson flowers and long curving spines. It is a vigorous grower. A fine addition $1\frac{1}{4}$ "-1 $\frac{1}{2}$ " **24c**

MAMILLARIA GUMMIFERA. A rare species. $1\frac{1}{2}$ " **40c.**

MAMILLARIA MUTABILIS. A mountain species from southern Mexico. 2" **35c.**

MAMILLARIA UNCINATA. This old favorite has short fish hook spines and white blossoms. A nice plant. $1\frac{1}{2}$ "-2" **40c.**

$1\frac{1}{4}$ "-2" **21c.**

MAMILLARIA ERYTHROSPERMA. This recent introduction grows easily and freely clusters. Flower beautiful carmine red as are the fruits. Spines white with reddish brown hooked central spine. $\frac{5}{8}$ "- $\frac{3}{4}$ " **25c.**

MAMILLARIA OCCIDENTALIS. Handsome and rare. $\frac{5}{8}$ "- $\frac{3}{4}$ " **25c.**

Mamillaria Balleotii. Fine red flowers. 1" **20c.**

Mamillaria Zuccariniana. Rare. $1\frac{1}{2}$ "- $\frac{3}{4}$ " **18c.**

Mamillaria surculosa. Rare new species. $\frac{5}{8}$ "-1" **30c.**

Mrs. Palmer Has An Attractive Window Garden

Dear Mr. Johnson:

I can't tell you how pleased I am with my Succulent collection. Most all of my plants have come from your garden and all are doing fine. Some have even bloomed. I only started collecting last fall and now I rattle off the botanical names and half frighten my friends ("with my vast knowledge"), but seriously I really do enjoy my plants and love reading up on them in my Succulents for the Amateur book.

I have shelves on my porch for them and they stay out there all the time—my porch faces east so my plants get plenty of sunshine all morning but are shaded from our intense Arizona sunshine in the afternoon. Everyone raves over my pretty plants in their colorful glazed pots. And such plants are really a boon to one like me who never could get a fern or an ivy to grow because I would forget to water them.

Most sincerely,

MRS. S. B. PALMER, Rt. No. 2, Box 329, Phoenix, Ariz.





Epiphyllums OR ORCHID CACTI

ORCHID Cacti are amongst the easiest grown of all cacti while their blossoms surpass even Orchids in their brilliant coloring and size. The huge blossoms, like giant Water Lilies, are up to 10 inches in diameter. The glowing, satiny petals display a rainbow iridescence. Vivid and clear are the shining reds in all shades from scarlet to deep crimson, bright are the pinks, salmon, orange reds, snowy white, white and gold. And more beautiful, if possible, are the bicolors with scarlet outer petals and effulgent violet throats. They flower principally during late spring from April to July and each plant will bear many of their exquisite blossoms. They are enjoyed by everyone and thrive everywhere for they are of the easiest culture.

SPECIMEN ORCHID CACTI

We have a few fine flowering size plants of the best named varieties mixed 4"-5" pots 16"-24" tall, branched, prepaid **\$1** only

GENERAL LIST RED SHADES

AMBER QUEEN. A handsome variety, the outer petals shiny deep red with undulate margins. Inner petals orange red, shading to yellow at the base, giving the flower a rich, amber glow. Easy to grow. **50c.**

ETOILE DE CONTICH. One of the most vigorous and easily grown varieties with sturdy, often triangular leaves. Quantities of large, well-shaped flowers; outer petals salmon red, inner flushed with violet. Recommended for consistent performance. **35c.**

FRANZ LEHAR. Crimson outer petals edged with lilac inner petals rose-red. **75c.**

HANS REHM. Glistening deep red 8"-9" blossoms with inner petals edged purple, striped with orange down center. A fine subject. **50c.**

HERMOSISSIMUS. A spectacular blossom and one of my favorites. The brilliant red petals each have an orange stripe down the center bordered by violet and with a luminous purple throat. Extremely free in flower and a strong grower. **50c.**



QUEEN CACTUS *Epiphyllum oxypetalum*

This exquisitely fragrant species with its snowy white, graceful flowers opens in the early evening. Likes a rich soil and plenty of moisture and a half-shady position. Well known and a very free flowering species **40c**



VIVE ROUGE

This is an exceptionally fine variety and is so much superior to the old Ackermannii that we are furnishing it in its place. The growth is much the same, sturdy, vigorous and sometimes with triangular stems. The exquisite deep red blossoms reach 8" in diameter and shine as though with frost. From the throat cascades a snowy mass of stamens. It is very easy to grow, liking quite a bit of water and some shade and a light, fertile soil. Our customers write that we have never described this fine blossom with full justice and you will agree with them when you see it. Each **35c**

RED, WHITE & BLUE COLLECTION Collection N 6

6 Beautiful Orchid Cacti particularly selected for their long blooming season. Gloria, Pink Nymph, Hermosissima, Cooperi, Vive Rouge, Latona or similar varieties. **\$2**

RAINBOW COLLECTION N 7

4 Orchid Cacti, my selection in red, white, pink and crimson, colorful and free in bloom. Fine varieties. **\$1**



PEACOCKII. One of the grandest and most striking flowers I know. Immense blossoms 10" across with broad overlapping petals, the outer ones vivid carmine red, the inner intense violet-blue with an exquisitely luminous throat. Stems are triangular and erect. **50c.**

SCARLET GIANT. A huge, strikingly beautiful variety with 10" blossoms vividly orange scarlet. Throat violet red. **50c.**

LEOBNERI. A vigorous plant often with triangular stems and large 8" blossoms carmine within, outer petals shading to violet. **35c.**

TULIP. A very vivid red flower with extremely broad overlapping petals. Charmings. **35c.**

OSWALD KNEBEL JR. An attractive flower of scarlet shading inwards to light crimson, the petals edged with violet. **40c.**

WHITE AND CREAM

EDEN. A vigorous grower, inner petals pure white, outermost bronze shading to yellow. Large and well-formed. **50c.**

LUNA. Large white flowers with beautifully recurved outer petals, inner edged with pale lemon yellow. **50c.**

COOPERI. Long tubed, snowy white flowers produced near base of plant. Very pretty. **35c.**

MAGNOLIA. Fragrant 8" pure white blossoms truly named Magnolia. **35c.**

GLORIA 2/5 Nat. Size

This magnificent variety has gorgeous, flame-colored blossoms 8" to 9" across. Its season of bloom is one of the longest, flowers being found from April till August. It is very easy to succeed with, always moderate in size and will flower when quite small. 3" and 4" pots make nice flowering specimens. I think it one of the most outstanding varieties and unqualifiedly recommend it to my patrons. You will like it. Rooted cuttings **35c.** Specimens \$2.00 F.O.B. Hynes. Nice plants. **50c**

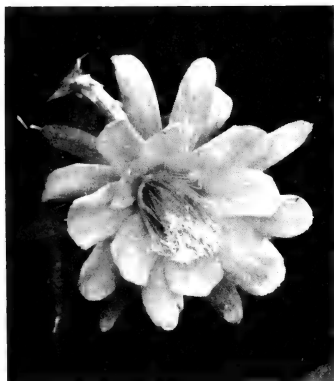
CULTURE OF ORCHID CACTI

Their care is very simple and easy and presents no difficulties, for like all cacti they adapt themselves readily to window or garden conditions. Let me first describe how they grow wild for I have found when I know the natural conditions under which plants grow I can better comprehend their likes and dislikes.

Orchid Cacti are found wild in the tropical forests of Central and South America and NOT on dry, hot deserts. They are usually found growing as epiphytes up in the trees rather than on the ground. I have found them often in Central America attached to bare tree trunks their cascading "leaves" bearing buds at every crenation.

This explains why they like a moist, semi-shady position and, since they live in the trees, plenty of fresh air. The roots like a sandy but fertile soil from which the water drains away quickly. They like plenty of water during the growing season from March to October when they should not be allowed to get very dry. During the winter they may be kept a mile dryer to mature growth for their spring flowering season. At no time should they become dry enough to shrivel. If you can put them outdoors beneath a tree during the summer they will show their appreciation with a bountiful display of flowers. They flower from April till August on the leaves made during the preceding summer, never on the young growth. Feeding with cactus food greatly stimulates their growth and flowering.

A soil of gritty sand, leafmold and light, fertile loam in about equal proportions suits them nicely. Do not overpot them. An average plant as shipped should not have a larger pot than 4" until well established. Plants always root quicker in small pots where the roots have better access to the air. Winter them in a cool place above 45 degrees.



AGATHA

This is a singularly beautiful variety with perfectly formed blossoms. The petals are of a lovely satiny texture and, in color, a rich, warm, pastel pink difficult to describe, the center being a fine ruby red. Each..... **50c**

ORANGE SHADES

SUN GODDESS. Huge flowers often 12" across of brilliant golden bronze hue and vivid violet throat. This gorgeous variety opens widely with charming shell-like petals. **75c.**

WIE GRAND SOLIEL. The slender orange petals are edged with cerise, the inner petals carmine. **75c.**

SUNBURST. An outstandingly colored variety with long, graceful, burnt-orange petals and brilliant, violet-purple central eye. **75c.**

ERNEST VON SEYDERHELM. Large coppery-orange flowers shading to bronze and violet, each long tapering pointed petal with lacquered sheen. **50c.**

PINK AND ROSE

LATONA. A lovely flower of huge size and an extremely early and profuse bloomer. The exquisite, loosely petalled flowers appear orchid pink. Outer petals are deep rosy red, the inner series suffused with lilac. This should be in every collection as it is a charming blossom of a most unusual color. **40c.**

PADRE. An old favorite with warm pink blossoms that in mild weather may be found in flower any month in the year. No collection should be without it. **50c.**

PINK NYMPH. Charming, salmon pink blossoms and a fine bloomer. The petals are distinctly ruffled. Very pleasing flower quite late in the season. **35c.**

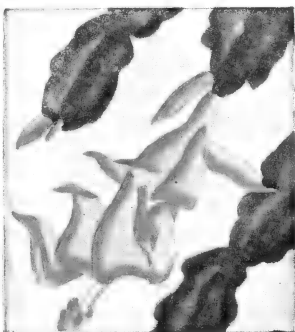
I have a special culture leaflet for **Shade Loving Cacti** that I send for 10c to cover mailing and handling.



DR. A. D. HOUGHTON. A free flowering Orchid Cactus 1/2 nat. size.

This brilliant blossom is far brighter than the painting and I despair of describing the inner effulgence with which it seems to glow. The throat is an exquisite electric blue-violet impossible of description. The outer petals bright red shading into orange red, the inner petals brilliantly bordered with violet. The long arching stems are studded with the slender buds which in opening wreath the plant in brilliance. A free, healthy grower. Large specimen flowering plants \$2.00 F.O.B. Hynes. Nice plants **50c** and.....

75c



CHRISTMAS CACTUS

Zygocactus truncatus

The beautiful Fuschia-like blossoms are seen from December till March when other flowers are scarce and doubly welcome. Give same treatment as recommended for Orchid Cacti. In its native Brazil it is found in the cool Oregon mountains growing up in the trees sharing the misty sunlight with Pop Corn Cacti ferns and Orchids. **25c**

PEACOCK COLLECTION

Collection N8

A choice free blooming collection of the handsomest and easiest culture.

1. Latona
2. Etoile de Contich
3. Eden
4. Gloria
5. Dr. Houghton

Five exquisite kinds all easy to grow in a fine color range.....

\$2

LILACINUS. A beautiful cup-shaped flower lilac pink with rose center and satiny sheen. Free flowering and vigorous. **40c.**

ROSE PERFECTION. Lovely fresh rose blossoms of exquisite form. **35c.**

ROSEUS SUPERBUS. Shell pink with rose throat. **7". 50c.**

COMPLETE EPIPHYLLUM LIST

Describes many varieties of these gorgeous flowers. List free to customers. For reference **5c.**

THANKSGIVING CACTUS

The first to bloom in the fall is this pretty Crab's Claw Cactus that flowers in November and December. The handsome flowers are like the Xmas Cactus but are a fine salmon-pink in color. **37c.**

POP CORN CACTI (Rhipsalis)

An interesting group with slender, hanging stems, white flowers and berries like mistletoe. Treat like Xmas Cacti. **POP CORN CACTUS.** *Rhipsalis cereuscula*. See picture, page 18. A charming species with many short branches on longer stems. **25c.**

RHIPHALIS MESEMBRIANTHEMOIDES. White blossoms with many short, hairy branches on arching stems. Rare. **30c.** **Rhipsalis paradoxa.** A rare species with curious, oddly angled stems. **40c.** **Rhipsalis Warmingiana.** **30c.**

LIKES WATER LILIES AND CACTI, TOO

Dear Mr. Johnson:

I would greatly appreciate your catalog on Water Lilies I noticed in your Cactus Catalog you handle them, too. I have a pool now but plan to change it this winter. All my Cacti are growing fine and I enjoy them very much. In the snapshot are some of my Cacti, mostly from your gardens. Most of them are blooming freely.

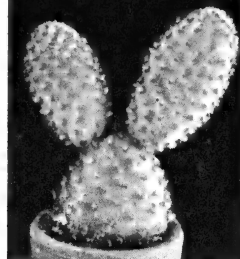
MRS. RUTH ERICKSEN, R.F.D. No. 5, Danbury, Conn.





OLD MAN OPUNTIA

Opuntia vestita is one of the numerous fine species from the Andes Mountains of South America. The erect stems are almost spineless but are clothed with long white hairs almost entirely covering the stem. An odd fact is that the young stems bear many subulate, true leaves which wither and fall off as the growth matures. Bears crimson flowers followed by woolly red fruits. Likes half shade and when growing to be kept moist. Fine woolly plants. **27c**



BUNNY EARS

Every collection wants this pretty variety with soft golden glochids and eared pads. **17c**

AUTOGRAPH CACTUS — A Living Autograph Album

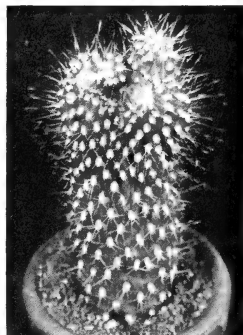
A permanent living record of your friends! Be the first in your neighborhood to secure your friends' autographs on this novel plant! A real friendly gesture. Write with a pin or clean steel pen on the bright green spineless pads and the name will soon appear in white relief permanently! Handsome, decorative, easy to grow, liking water and rich soil. 5"-7" branched. **28c**

JADE BUDDHA

A fat, jade-green plant with checkered stems. Young growth bears a crown of awl-shaped leaves. 2"-3" **15c**

BURBANK'S SPINELESS CACTUS

A large fruited variety popularized by Luther Burbank. Pads up to 12". Sweet red fruits. Large cuttings **\$1.00**. Smaller **50c**.

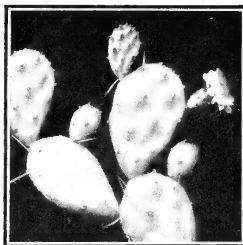


BOXING GLOVE

One of the most curious and interesting of varieties. The top is hollow and blossoms out into a fine crest borne on top of the round trunk. After you have seen it you will understand how it got its odd common name. It grows most easily and it is pretty at all times. It is one of our most popular kinds and will make a most unique specimen. **17c**

GOLDEN TUNA

A lovely large flowered cactus in bloom almost all summer long. One of the most satisfactory of all. May be planted outdoors as it is winter hardy. Flowers 3" across, yellow and red. 10"-12" branched **75c**. Flowering pads **17c**.



ORANGE TUNA

Grows very easily with brilliant orange flowers and almost spineless pads. Against a lighted window it forms a fine silhouette. Branched specimens 6"-9" **50c**. Larger 10"-12" branched **\$1.00**. Fine pads. **21c**



CRESTED BOXING GLOVE

Collectors are always on the lookout for crested cacti and here is a fine, well-crested variety that becomes very convoluted. As it is slow to propagate we have but a limited amount to offer. 2"-4" **35c**

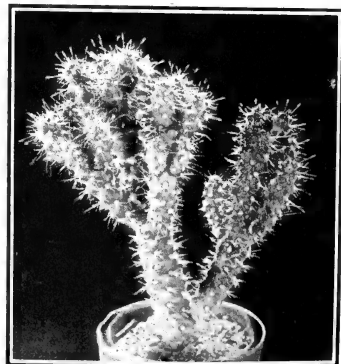


GRIZZLY BEAR *Opuntia ursina*

An old favorite which will be one of your most prized specimens. Grow it in almost pure sand where its roots will luxuriate. Nice plants 5"-6" each. **22c**

DWARF TREE OPUNTIA *Opuntia vilis*

Grows into a tiny, well-branched tree with round trunk some 4" tall. Grows very well under all conditions. Well branched 4"-6" **25c**. Smaller branched 3"-4" **17c**



At Left.

At Right.

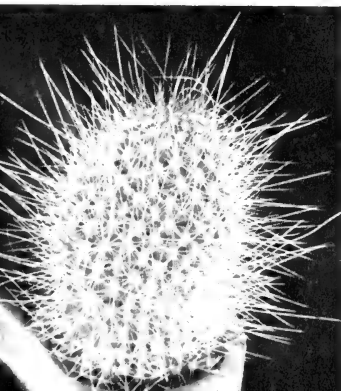
HARDY CACTUS COLLECTION N 9A

10 Winter Hardy Opuntias for Outdoors. **\$1.50**

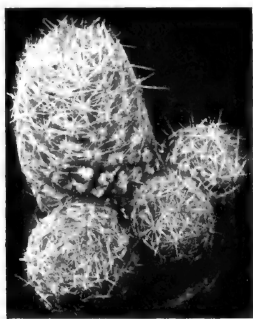
INTERESTING OPUNTIAS

Collection N 9

6 Pretty Opuntias in contrasting varieties. You will like them all for some have round, others flat, pads. Bunny Ears, Dwarf Tree, Autograph Cactus, Golden Tuna, Jade Buddha, Boxing Glove. Nice size plants, 3"-6" **80c**

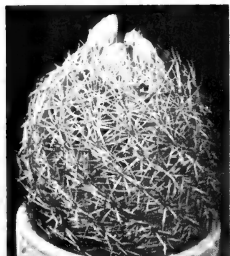


CACTI RELATED TO Mamillarias



ESCOBARIA TUBERCULOSA

The bright pink striped flowers appear in early spring at the top of the plant. A showy plant when in bloom and these mature plants we offer are sure to flower. Nice clusters. 18c
35c. 3"-4" flowering plants.



TEXAS HEDGEHOG CACTUS *Echinomastus intertextus*

This most charming variety blooms very early in February, the large pale pink blossoms lasting several days. Every one will flower for they are large mature plants. Keep almost dry in sandy soil. Fine mature plants. 2 1/2"-3 1/2" 23c

BUTTER PINCUSHION *Dolicholthele longimamma*

The lovely canary yellow blossoms—almost as large as the plants, appear in early summer. Differing from other Mamillarias they have very long, soft and fleshy nipples tipped with a cluster of weak spines. The branches, oddly enough, form on the tips of these nipples. Nice plants, 26c.

DOLICHOTHELE SPAERICA. Very large yellow blossoms with shorter, more compact nipples; the many branches eventually forming a large many-headed specimen. 3 1/2"-1 1/4" 22c.

COCHEMIEA POSELGERI
A very rare plant with large tubular scarlet blossoms. 4"-6" 40c.

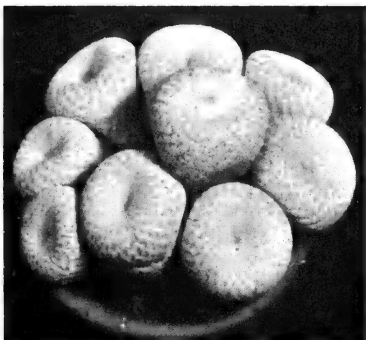
THERE are several groups of interesting cacti more or less closely related to the Pincushions but differing slightly in their flowers, fruits, seeds or in the type of nipples borne. All of them bear nipples and in general have the appearance of Mamillarias, some bearing lovely blossoms considerably larger than the true Mamillarias. They thrive under the same treatment, liking a sandy but fertile soil, and when they are growing, i.e., forming new nipples, they will appreciate being kept just moist. Echinomastus, however, should be kept drier than other genera. Some have chunky tap-roots as many species of Coryphantha. The genera are found from Montana to Mexico a few being winter hardy in the coldest climates if protected by a snow-blanket. Some are amongst our most beautiful plants.

CRIMSON LAKE PINCUSHION. *Neolloydia texensis*. The lovely and brilliant blossoms of this attractive plant are borne over quite a long period in spring and summer, the blossoms each lasting some time. Opened fully in the sunlight they always attract comment from visitors. The plants are generally clustered with one or two taller stems with youngsters about their base. Clusters 35c. Fine mature blooming plants 20c.

NEOLLOYDIA PILISPINA. An odd species with spines covered with a fine pubescence. Flowers pale yellow. 1"-1 1/4" 25c.

PRAIRIE GOLD *Coryphantha echinus*

This little beauty has lovely golden blossoms that appear early in the spring. The blossoms are an inch or more in diameter and cheerful in appearance coming from such an armored little plant. It is not hard to handle though it is so spiny. Each 18c.



BUTTON CACTUS *Epithelantha micromeris*

Really so curious its appearance as not to appear alive at all. The spines are microscopic and completely cover the plants so that it looks like a small white rock or a puffball from the pasture! Pretty pink flowers appear in spring followed by bright red berries in summer. Found in northern Mexico and Texas. A dainty and exceedingly attractive plant. A few clusters 55c.
Mature flowering size 3/4"-1 1/4" 19c

NIPPLE CACTI

Coryphantha

A large flowered group of handsome cacti, some with blossoms as large as the plant.

CORYPHANTHA COMPACTA. 1" 20c.

CORYPHANTHA ERECTA

A beautiful species with yellow spines, the nipples arranged in regular, slow spirals. We have some exceptionally fine specimen sizes of this rare variety 6"-8" in height. A real addition to your collection! Each 35c.

CORYPHANTHA CLAVA. 1" each 22c.

AT LEFT

RIBBON CACTUS

Tephrocactus Turpinii

A lovely white ribbon spined variety. 2" egg-shaped joints with wide parchment-white curling spines. A novelty of the first water formerly listed at \$1 per joint. Very easy to grow. Specimens 75c. De Luxe \$1. Nice plants 50c.

THE EASIEST HOUSE PLANTS TO KEEP

Dear Mr. Johnson:

The last shipment arrived today in good condition. I am enclosing a picture of my cactus collection, which is composed of fifty-five different varieties. The cactus received from your gardens are exceptionally nice and the free plants were greatly appreciated.

JANE ROUSH,

29-16 Clime Road, Columbus, Ohio.



WAIT-A-BIT

This charming easily grown *Anicstrocaucus* Scheerli freely bears its chocolate-colored blossoms in February and March. Don't fail to have it! Giants 4"-6" 35c.
Flowering size 2 1/2"-3" 19c

CORYPHANTHA

Coryphantha asterias. Bears beautiful white blossoms. A rare variety. 1" 25c.

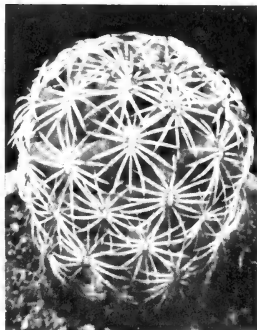
Coryphantha radians. A charming variety with handsome yellow blossoms 1 1/2"-2" across. 1" 25c.

Coryphantha macromeris. Beautiful blossoms of richest purple, opening widely in the sunlight. Blooming size 2"-4" 23c.

Coryphantha bumanna. Yellow blossoms on an attractive spined plant. 1" each 25c.

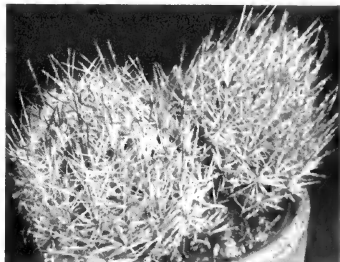
Coryphantha elephantidens. An extremely rare species with gorgeous deep pink blossoms. 1" 40c.

Coryphantha rhipidacantha. Tall growing species. 1 1/2" 25c.



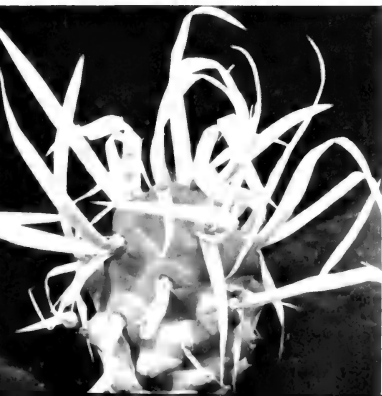
COMB CACTUS

The large yellow blossoms of *Coryphantha pectinata* open in early spring and all our plants are fully mature blooming size! This little plant likes a sunny, airy position. Fine flowering plants 1 1/2"-2" only. 18c



PRAIRIE PINCUSHION *Escobaria dasycantha*

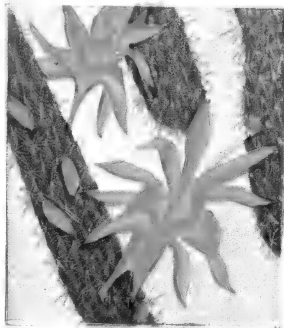
The Prairie Pincushion is a dainty, pink flowered cactus with white spines often tipped with red. The spines though harmless completely cover the plant. It grows into neat little clusters generally with one tall stem, and several shorter ones. Flowers in the spring followed by red berries in the summer. Specimen clusters, three or more branches 35c.
Fine mature blooming plants 2 1/4"-1" only 25c





QUEEN OF THE NIGHT
Selenicereus macdonaldiae

Huge snowy white blossoms in a chalice of golden sepals and always more than 12" across! Very easy to grow the slender flexible stems being easily coiled on 2 stakes driven in the pot. Blossoms best under the shade of a tree outside during the summer. Feed well with Cactus Food and keep rootbound in 4"-6" pots. Blooming size 3 ft.-4 ft. **25c**
Plants \$1.00. 18" 50c. 6"-8".....



Rattail Cactus

An old favorite with hanging, tail-like stems and brilliant pink blossoms in late spring. A native of Mexico where it grows up in the trees. Give it a light, airy place and half shade. A vigorous grower it needs fertile soil. Grafted 6"-7" **50c**
single stems.....

CRESTED RATTAIL. A rare form with wide, fan-shaped crests. A prized collectors item. Grafted. **\$1.00** each.

APOROCACTUS CONZATTII. A new Rattail with orange tinted flowers. **75c** each.

Aporocactus flagiformis. A vigorous grower. Rare. **\$1.00.**

Aporocactus leptophis. Slim, whip-like stems. **75c.**

OUR CACTI IN JAVA

This interesting photo was sent in by Mr. Takagawa of Soerabaja, Java, just before Pearl Harbor. The name and the place explain themselves. The plants are Old Men Cacti. At left *C. chrysanthus*, *C. salvadorensis*, *Espeotia Dautwitzii*, *C. hapalacanthus*, *C. senilis*, *E. sericata*, *E. lanata*, *E. sericata*.



An Intriguing Family the CEREUS

A noble group of cactaceous plants widely distributed over North and South America being particularly abundant in the better watered regions. With few exceptions they are easy to grow having vigorous root systems and often rapid growth. They vary greatly in the way they grow some forming immense branched trees almost 50 feet tall while others may be tiny species clustering for protection at the feet of their lordly kin. The climbing Queen of the Night and her relatives frequent wet tropical jungles clambering high in the trees opening their snowy blossoms in the airy lofts above the jungle floor. The tree-like varieties are mostly seen on the lower slopes of the mountains and mesas a few ascending almost to the snowline. They seem to be at their best where it is temperate or warm and where there is a fairly moist summer period although this may be followed by long months of drought. During the few months of the year when the rains and the sun are favorable they make their growth, expand their glorious blossoms and mature their often large and colorful fruits. As the rains cease the plants are plump with their stored moisture ready to face their lonely vigil through the parched and blistering months to come.

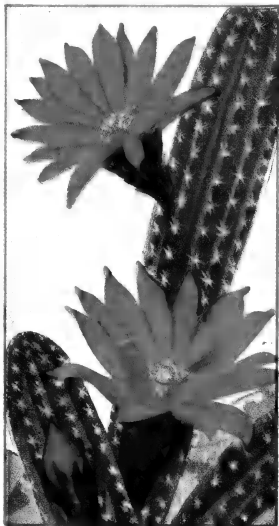
MYRTLE CACTUS *Myrtillocactus*

These start with a single trunk branching soon with short plump arms and but few stubby spines. Their novel method of branching in an umbrella-like manner makes them very unique. Very easy to grow and like fertile soil.

BLUE MYRTLE CACTUS. *M. geometrizans*. Brilliant blue stems. A very attractive and easily grown plant. 1"-1½" **17c.**

Myrtillocactus cochal. Rare. 8"-10" **75c.**

Myrtillocactus Schenckii. 6" **35c.**



PEANUT CACTUS

Chamaecereus Sylvestrii
One of the easiest to grow and most attractive of all cacti. Will often produce 15 or 20 branches in a season. Should be in every collection. Native to Argentina. Likes moisture. Clusters with several arms. **35c.** Nice plants beginning to branch **19c**

CARNEGIEA GIGANTEA

The Arizona Giant Cactus is one of the wonders of our country. These immense columns may reach 40' in height and no more wondrous sight can be imagined than the forests of these below Tucson. They like a fertile, sandy soil and a light airy situation. 2" **40c.** Small **25c.**

ACANTHOCEREUS PENTAGONUS

A night flowering cereus from Texas with charming white 6" blossoms. Very easy to grow liking a rich soil and plenty of water. 6" each **25c.**



JOSEPH'S COAT

Opuntia monacantha variegata
Handsomely variegated with white, yellow, green and pink this great favorite is easy to grow and particularly sought after as a pot plant in choice collections. The yellow blossoms are quite pretty and even the seed pods are variegated. Likes a sandy fertile soil with plenty of water and Cactus Food. A sprinkling of dried cow manure added to soil is beneficial. 4"-6" **25c**



SUN CEREUS

Heliocereus speciosus

This is one of the most brilliant blossoms I know. The 5" blossoms a glowing violet-purple shading to glorious red a combination of color indescribably beautiful. A parent, most hybrid Orchid Cacti. Give it little shade and a light sandy soil & some leafmold and plenty of water during the summer. **50c** and..... **35c**

CEPHALOCEREUS OLD MAN CACTI

These humanly interesting tree Cereus are found all the way from Florida to Argentina. They vary greatly in habit, some being only a yard high, others reaching skyward 50 ft. Some are single columns (*C. senilis*) while others are much branched. All of them are characterized by having more or less developed pseudocapitulum or "heads" of silky white hair from which the flowers emerge. Interestingly the heads are generally produced on the side away from the sun. This hairy head may be very pronounced with long, silky streaks in thick, spectacular mats. They are generally considered as amongst the most fascinating plants of the cactus world.

CULTURE. They grow readily with quite ordinary care, preferring a sunny position in the window and a light soil. For the expert who wants to give more meticulous care I offer the following suggestions. They enjoy a soil of 1 part sandy loam, ½ part leafmold, 1 part sand and a sprinkling of pea sized crushed brick or charcoal to keep it "sweet". Since they are often found on limestone formations I have found old lime mortar or plaster helpful in one third part. After the plants are thoroughly established they will appreciate feedings of our Cactus Food.

OLD MAN CACTUS. Cephalocereus senilis.

A very popular plant with long white hair completely covering it from top to ground. Give it a sandy soil, fertile and with powdered egg shells or lime added. 1¼"-1½" **35c.** 1" **25c.**

WOOLY TORCH CACTUS. *Cephalocereus Palmeri*. This handsome species is one of the best and most easily grown. It begins to get plenty of snowy, wispy hair in the areoles when less than 6" high the plant body becoming a beautiful powdery blue. Give it generous treatment using the suggested soil and feeding regularly with our Cactus Food every 2 weeks during the summer months. It comes from Mexico and is comparatively scarce. The large flowers are a handsome bright pink followed by beautiful crimson fruits. **25c.**

CEPHALOCEREUS BROOKSIANUS. A very pretty dwarf variety from southern Florida mature at 3 ft. tall. 1" **35c.**

CEPHALOCEREUS DEERINGII. A rare Floridan species. 1" **40c.**

CULTURE OF CEREI

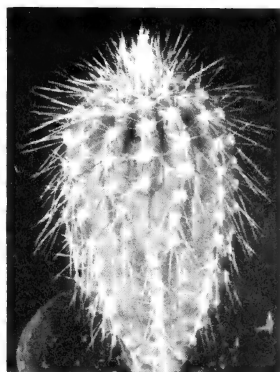
Cereus are, with few exceptions, vigorous, strong growers of easy culture presenting no particular problems to the cultivator. They are mostly native to the better watered slopes of warm semi-desert regions. The most popular types such as the Peruvian Apple Cactus, Powder Blue Cereus, Torch Cacti, Old Man Cacti, Cleistocactus, Giant Cereus, etc., enjoy fairly generous treatment. They are vigorous rooting plants and I have found they thrive splendidly in a porous soil of one part sandy loam 1½ parts gritty builders sand, 1 part leafmold or our Cactus Compost and a sprinkling of Cactus Soil Conditioner. While growing they are greatly helped by regular feedings every 2 weeks with our Cactus Food. They will grow almost anywhere but prefer a sunny position in the window garden with plenty of fresh air which all plants enjoy. In summer if they can be put out doors in a hot, sunny position such as under the eaves near the house foundation. (Caution: Protect during the first 2 weeks from full sun to prevent burning) they will show their appreciation by extraordinary, fine matured growth.

Practically all cacti are happiest in medium sized pots. For though in the wilds their roots may ramble over considerable distances tracing out the pockets of humus laden soil, yet in cultivation large pots for small plants generally become sodden and sour which may mean sickly, yellow plants. It is interesting to note that the healthy feeding roots are always found clinging to the porous air-filled sides of the pots and not in the middle of the ball. We have found 2" 4" or 5" pots quite ample for our plants up to 15 inches tall. Potted thus with plenty of Cactus Food when the pots are full of roots, they will make the most satisfactory growth with very little danger of overwatering. Keep the surface occasionally stirred up with a pencil to a depth of ¾".

TRIXANTHOCEREUS BLOSSFELDORUM

A new genus

This new and extremely rare plant was recently found in Peru. It forms a most attractive specimen branching from the base, the stems upright and near the top bearing a cephalium of glossy, red and black bristles intermixed with white wool in which the flowers are borne. It grows readily and likes a sandy, fertile soil with some leafmold. A few plants now ¾" 1" after June 1" 2" 23c.



GOLDEN TORCH CACTUS CEPHALOCEREUS CHRYSACANTHUS

Lovely golden hair 20c.

RAINBOW CACTUS

This bright flowered variety I consider one of our choicest plants because of the sureness with which it flowers and its long blooming season. Plants may be found in flower practically all summer long. Plants often commence flowering when not more than an inch in diameter, the blossoms being larger than the plants that bear them. It likes a rich soil but it should be sandy for good drainage. Give it a long rest in a cool place during winter. Nice plants.

20c
Giant blooming size..... 35c

CEPHALOCEREUS HOPPENSTEDTII

Long one of the choicest and most sought after of the Old Men. Long, bristly, white hair. 2" 2½" 25c.

CEPHALOCEREUS SARTORI-ANUS

This handsome species has masses of snowy wool at flowering time and bright blue stems. Nice 1½" 2" 25c.

CEPHALOCEREUS CATINGI-COLA

A rare species from Brazil. 1½" 2" 25c.

CEPHALOCEREUS GOUNELLII

A rare blue stemmed species. 3" 4" 40c.

Cephalocereus polylophus

A majestic species. 3" 5" 40c.

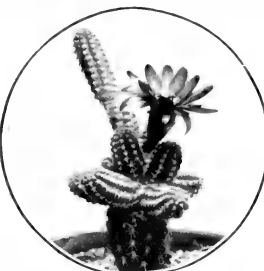
Cephalocereus hapalacanthus

A rare Brazilian species. 6" 40c.

At left

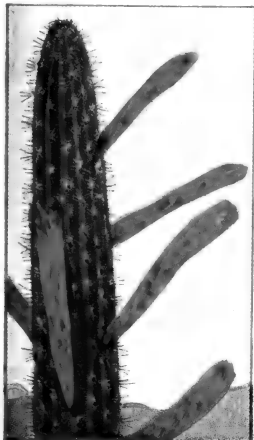
GOLDEN TORCH CACTUS

This lovely Old Man has bright yellow spines and much wool. It is beautiful at all ages, the young plants being particularly bright. With maturity the plant is magnificent, the blue of the stately column showing through the yellow spines and wool while the snowy cephalium is like masses of kapok. A native of Mexico it grows easily and I much recommend it. 1½" 2½" 20c



GRAFTED PEANUT CACTUS

Grafted on the Snake Cactus this makes a unique plant quickly growing into a valuable specimen. Nice 5" 7" 50c single stemmed ready to branch



SCARLET BUGLER

Cleistocactus Baumannii. 2/3 nat. size.

A jewel for every collector. The brilliant scarlet blossoms are borne irregularly up and down the stems even the tiniest buds like red chenille. Bright pink fruits. Grows very easily and flowers prodigiously.

8" plants that have bloomed. 35c.
12" plants that have bloomed. 50c.
Nice 2" 3" plants 18c

WALL FLOWER CROWN

Rebutia pseudodominata (nat. size)

This charming dwarf mountain cactus with its tender green body and harmless, bristly spines has only recently been brought from its home in the mountains of South America. The blossoms are almost as large as the plant and appear from about the base a well-flowered specimen having a goodly number in April and May. Very easy to grow liking half shade and a fairly rich soil. 1" 1½" 35c



Special Collection N10 The 4 cacti each illustrated below only ... 95c

OLD MAN CACTUS Cephalocereus senilis

The long snowy white hair of this venerable cactus makes it one of the most sought after. No collection should be without it. My plants are clean and snowy white with many healthy roots. 1" 1½" 35c.
Fine 1" plants 25c

MOON CACTUS Eriocereus Juebertii

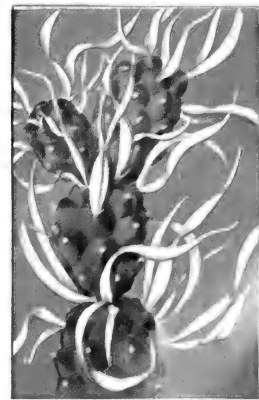
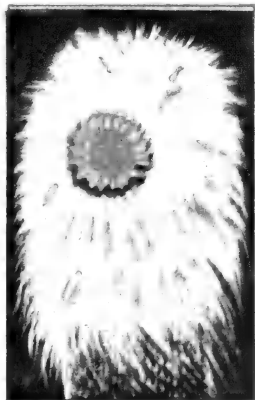
These are very free growing cacti and flower most freely the 8" wide snowy blossoms opening in the evening and remaining open until late morning. Easy to grow liking a rich soil and plenty of water and some feeding during the summer. 2" 4" 25c

CEREUS HYBRIDUS MONSTRUOSUS

A strange and monstrous cactus attracting the attention of all who see it. They grow more upright than C. peruvianus monstruosus and soon form most unusual specimens. As easy to grow as any cactus and never lose their peculiar manner of growth. Fine plants 1½" 2" 30c

PAPER SPINED OPUNTIA Tephrocactus glomeratus

One of the rarest and most peculiar of all cacti. Instead of spines they have long white paper ribbons. They grow in the mountains of Western Argentina and form great white mats. Very easy to grow with ordinary treatment 35c





OLD MAN CACTUS

Popular and easily grown the Old Man Cactus grows in vast forests on the dry hillside of Mexico where it is called Cabeza de Viejo or Old Man's Head. It is the pride of every cactus collection because of its snowy white hair. Grows slowly and may reach 2½ feet in 100 years. Splendid 8"-12" specimens. \$2.50-\$5.00. 1½"-1½" 35c. Fine 1" snowy white specimens. **25c**

CLEISTOCACTUS

A very popular genus containing some of our prettiest and most consistently flowering species particularly adapted to growing in pots and for small collections. Their general habit of growth is well shown in the photo of the Silver Torch at the right. They enjoy a fertile soil with plenty of sand and leafmold and particularly appreciate regular feedings during the summer with our Cactus Food. In the window garden they like a cool place during the winter to secure a long rest so they may bloom their best for you when summer comes.

SILVER TORCH. See photo at right.

SCARLET BUGLER. *Cleistocactus Baumannii*. I consider this one of our most satisfactory cacti. With us it flowers all summer and into late fall without any particular attention. The brilliant red flowers are 2" long and tubular lasting for many days. Each stem will have many buds in all stages from those showing pink through the spines to those unfolding. The flowers are always followed by pink, cherry-like fruit. With age the plants have many cane-like stems; the flowers being produced on the upper portions.

Special flowering size, 8".....**35c** each
12" flowering specimens.....**50c** each
Fine 2" to 3" plants only.....**18c** each

Cleistocactus areolatus. Tall grow. 6" **40c**
Cleistocactus Baumannii aureispinus.....**35c**
Cleistocactus Herzogianus. Rare.....**50c**
Cleistocactus Morawetzianus.....**75c**

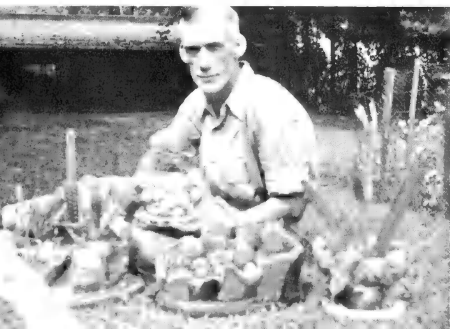
GLASS CACTUS

Cleistocactus hyalacanthus

This handsome snowy spined variety is one of the finest novelties yet introduced. The beautiful glassy, white spines are as thick as felt. Only a few small plants for the collector. ¾" to 1" **40c**.

DENDROCEREUS NUDIFLORUS

A rare genus from Cuba growing into a tall, branched tree, 4"-5" **50c**.



CEREUS

Most of the cacti formerly put in this genus by botanists have in recent years been removed to new genera listed in this catalog. The few species left are quite interesting and, when well grown, beautiful plants with blue to almost purple-black stems and charming, large white blossoms.

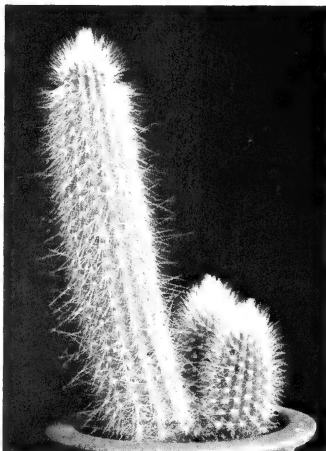
BLACK CEREUS. (*C. coerulescens melanotrichus*). A beautiful species the stems quite dark when young but when a few inches high become bright blue with black spines making an arresting specimen. From Argentina. Likes a fair-sized pot and a rich soil. 1½"-2" **19c**.

CEREUS AZUREUS. With closer set black spines and purple blue stem with age. Handsome as a specimen and very free in flower. 1"-1½" **25c**.

HARRISIA

These are interesting and extremely floriferous cacti from the Caribbean Islands and Florida. They grow exceedingly well and form small, tree-like, much-branched plants. Flowers white, nocturnal.

PUPPY TAIL. *Harrisia eriophora*. Often used as "tails" in animal pots. Very quick growing and free flowering. Flowers like a white lily. **15c**. *H. gracilis* **20c**.



SILVER TORCH *Cleistocactus Strausii*

This lovely *Cereus* has clustered slender columns clothed glossy, silvery spines, soft and harmless. Quantities of brilliant red blossoms cluster thickly on the sunny side of the stem. Very easy to grow. Handsome 12" flowering specimens. **\$1.00**. Nice 14"-2" plants.....**21c**

5 OLD MEN CACTI

White haired species

Collection N11

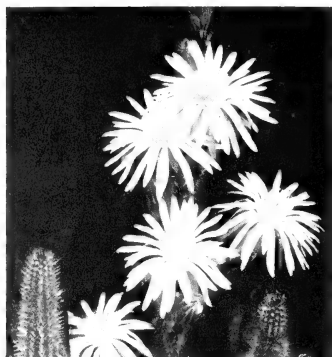
Old Man Cactus, Peruvian Old Man, Old Man Opuntia, Powder Puff, Grizzly Bear.....**\$1.17**

ENJOYS SUCULENT BOOK

Dear Mr. Johnson:

The plants arrived on Xmas morning in fine shape and all are doing well. Please send me "Succulents for the Amateur" as I want to read more about them. It is a pleasure to become better acquainted with them. I think I have a new idea in containers at least I have not seen anything like them. They are made from bits of limestone and sandstone I pick up on various trips. The largest is of limestone from West Virginia, another from under Niagara Falls where I got pretty wet getting them. They are full of crystals or fossils or of other interest. The one made from shells was brought to me by a friend returned from Florida. They are put together with cement on a flat, solid bottom turned up at the edges like a saucer to catch any water draining from them. Since they are put together loosely any excess water drains away rapidly. I make them in winter when bad weather keeps me in.

PAUL W. BORNEMAN,
658 W. Pipe St.,
Charlottesville, West Virginia.



SNAKE CACTUS

This handsome *Nyctocereus* must be in every collection. A prima favorite of mine with lovely fluted green stems. The young spines are bright red. Flowers up and down the stems in greatest profusion, the snowy white blossoms deliciously fragrant! 10"-12" each **50c**. 15"-18" 75c. Fine 4"-5".....**22c**

MOON CACTI

Eriocereus

These are great favorites with their profusion of snowy blossoms and attractive, brilliant crimson fruits. Kept in 5"-6" pots and well fed during the summer growth they rarely fail to flower. Like many cacti they flower most profusely when pot bound but fed regularly. They will stand the full summer sun.

ERIOCIEREUS BONPLANDII. One of the very freest flowering cacti, our specimen is seldom without blossoms except in the coldest winter months. The lovely, snowy, full-petalled flowers are 8" in diameter followed by handsome scarlet fruits. The stems are not spiny and keep flowering for years. Don't fail to have this one. Put outdoors in partial shade during summer for best results. 2"-4" each **18c**.

PINK MOON CACTUS. *Eriocereus Regalii*. This charming variety has quantities of large pink blossoms. A very worthwhile plant and does not grow too large. Only recently introduced into gardens. 2½"-4" each **20c**.

ERIOCIEREUS GUELICHII. Large white flowers. **25c**.

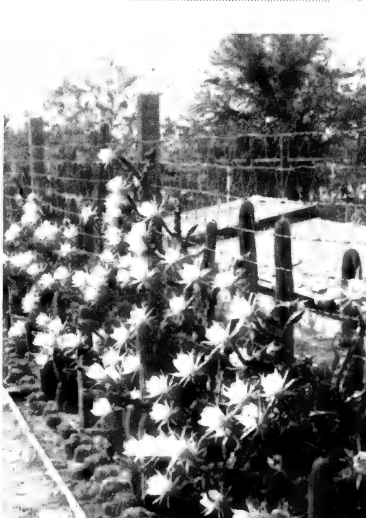
ERIOCIEREUS TORTUOSUS. A very spiny variety but with very pretty ruffled blossoms. Will flower when a foot high. 3"-5" **25c**.

ERIOCIEREUS JUSBERTII. One of the finest. **25c**.

A MOON CEREUS

Eriocereus Martii

This splendid free flowering variety blooms all summer long and each flower is followed by 1½" crimson fruits at their best in December and January. A fine pot plant, it grows freely liking a rich light soil and feedings during the summer. The photograph was taken of a fence in our garden and 127 flowers were open! Nice 12 inch plants from flowering branches **50c**. 18c



HAAGEOCEREUS FOX TAIL CACTUS

A handsome genus from the high dry western mountains of Peru. The plants are a rich golden or rufous color, the spines in dense bristly clusters. They like a quite sandy soil and not too much water. Food when making their growth in early summer.

HAAGEOCEREUS CHOSCENSIS. Lovely red-gold spines. This rare plant is very choice and is found growing on the barren rocky slopes above the deep valleys of the western Cordillera. Each 35c.

HAAGEOCEREUS PACALAENSIS. A handsome species with rich, bright golden yellow spines thickly clothing even the smallest plants. Use a quite sandy soil. 1½"-2" each 35c.

FLOWERING TREE CACTI PIPTANTHOCEREUS

These popular flowering and fruiting tree cacti are native to the plains and valleys of Brazil and Argentina. They seek the fairly well-watered and fertile regions where they make splendid well-branched trees. In the window garden they do not grow too large but may be depended upon to give a good "cactus" look to your collection. There are many kinds of them varying in their spines, color and size of flower and in their delicious fruits which are full of crystalline, snowy pulp, sweet and molting to the taste. Give them a rich soil and plenty of water.

PIPTANTHOCEREUS ALACRIPORTANUS. Beautiful, white, lily-like blossoms. Rapid grower with large red "apples." 1½"-2½" 18c.



DAYAM'S TREE CACTUS
Piptanthocereus Dayami

One of the best fruiting and flowering kinds. Bears big tomato-red fruits that are quite fragrant and delicious to eat particularly if left in the refrigerator over night. The fruits are completely spineless and smooth peeling like an orange. 1½"-2½" 20c

PIPTANTHOCEREUS CAESIUS. One of the most beautiful of all with stately blue columns margined with clusters of golden yellow spines. 15" cuttings \$2.00, 30" cuttings, F.O.B. Hynes \$3.50.

PIPTANTHOCEREUS GONIANTHUS. See photo, page 21. An extremely free flowering and fruiting variety. All spineless blue stems. 18"-24" cuttings, F.O.B. \$1.25, 30"-36" cuttings, F.O.B. Hynes \$2.50, 2"-3" 19c.

PIPTANTHOCEREUS HEXAGONUS. Tall with red flowers. 20c.

PIPTANTHOCEREUS HORRIBARBUS. A huge tree type from Bahia, Brazil. 20c.

PIPTANTHOCEREUS PERUVIANUS. This is the true species quite different than the one usually sold. I have seen a single specimen bear 5000, 6" flowers by actual count in one summer. Beautiful, fat green plants with rust brown bristles. Fruit yellow and round. Each 20c.

Piptanthocereus peruvianus var. *reclinatus*. 20c.

PIPTANTHOCEREUS VARIABILIS. A creeping species with charming flowers. Very rare. 18c.

PIPTANTHOCEREUS OBTUSUS. Very rare. 6" 50c.

FANCIERS CEREUS COLLECTION Collection N12

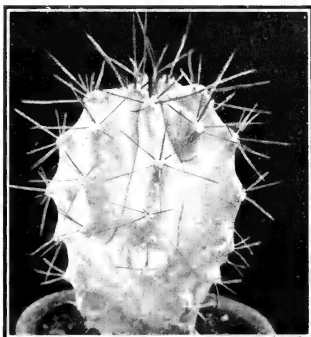
10 Different Genera of the
Cereus Family. Labeled..... \$1.50



A CACTUS GARDEN IS ENJOYED EVERY DAY IN THE YEAR

The charming window garden and interior here shown is in the pleasant home of lovely Mrs. Herbert Richards of 1209 South Grand, Sedalia, Missouri. The keynote is simplicity with plenty of interest and it does not take a discerning person to know that friendship is valued here. The window shelves with their freight of gaily colored pots give an expressive and fresh color note. The odd geometric shapes of the cacti silhouetted against the window light show their distinctive character. Such fascinating effects may be had in any apartment and without the muss and clutter of more demanding plants. In their bewildering variety they lend themselves perfectly to the decorative arts and are in complete keeping with the furniture of any room. Easily planted and cared for they are at home in every part of our country and no expert is needed to keep them in good health. You may always safely leave them to themselves while on a trip or vacation. Over 75,000 of our friends have found them a fascinating hobby.

MACHAEROCEREUS ERUCA. A strange, creeping, heavily armored species. 6"-8" 75c.
MACHAEROCEREUS GUMMOSUS. 4"-6" 50c.



POWDER BLUE CEREUS
Lemaireocereus pruinosus

See page 16 for other *Lemaireocereus*. A very beautiful species uniquely covered with a blue-white bloom and charming during every stage of its growth. Every collection should have this. Nicely colored plants with dark contrasting spines. The photo shows their powdered appearance. In Mexico the plants form majestic specimens and the fruits are delicious. Likes a fertile soil and to be kept moist. 1"-1½" each. 20c

HYLOCEREUS Night Blooming Cereus

A glorious group of spectacular night flowering cacti. The huge, snow-white flowers open in the evening, closing with the rising sun. They are native to the jungles of Central America. Their stems are 3-angled except when young. Give them a rich soil, keep moist.

HONOLULU QUEEN CACTUS (Hylocereus undatus). This well-known variety has huge 12" blossoms, white inside, golden yellow on the outside. A vigorous grower enjoying rich soil and if possible to be put out under a tree in the summer time. 35c.
Hylocereus extensis. 50c. *H. bronxensis* 75c. *H. napoleonis* 50c. *H. costaricensis* 35c.

QUEEN OF THE NIGHT Selenicereus

These spectacular beauties have the largest flowers in the cactus family, some reaching more than 14" across. They climb in the trees in the jungles of Central America, opening their glorious flowers along with their fellow epiphytes, the Orchids. Give them some shade and a rich light soil and never allow them to get fully dry. Vigorous healthy growers enjoying it outside beneath a tree in summer.

QUEEN OF THE NIGHT. See page 12.
PRINCESS OF THE NIGHT. *Selenicereus pteranthus*. A very free flowering variety with immense 12" blossoms snowy white with rich golden yellow sepals. One of the easiest to flower of all. 35c.

Selenicereus viridicarpus. Charming pale pink flowers. Very free in flowering. 20c.
Selenicereus spinulosus. 35c. *S. Werklei*. 35c. *S. hamatus*. 35c.

PERUVIAN OLD MAN Eupostoa lanata

This lovely, white-haired Old Man comes from the high mountains of Peru and is one of my best introductions in recent years. It is a particularly easy-to-grow species and grows quite rapidly. I now have a new and very promising lot of them. They appreciate a fertile, sandy soil and some leaf mold if you have it. They like sun or part shade equally well but we shade our plants from the direct sun rays as we do for all high mountain plants. 1"-1½" 20c





PEANUT CACTUS PINCUSHION
Nice plants. 19c. Strange. 17c.

BIRD'S NEST
Yellow spines. 19c.

**DRAGON
FLOWER**
Curious. 15c.

XMAS CHEER
Red Tipped. 15c.

FLOWERING PINCUSHION
Handsome carmine flowers. 21c.

COLLECTION N 14—For gifts to your friends they are unique and most attractive. You will also enjoy planting this collection in a shallow pot or bowl for the breakfast nook. Cacti and succulents thrive in gas heated rooms for they are not affected by fumes or dry heat as other plants are. They grow easily with little care. With every order is my leaflet "Culture of Cacti"..... **90c**

JOHNSON'S CACTUS SOIL CONDITIONER

Helps keep Cacti in good health by supplying minerals ordinary garden soils often lack. Desert soils are often high in mineral content. A spoonful of my Conditioner will often bring a sickly plant back to health.

Small carton—10 oz. Postpaid **60c**.
Large carton—2 lbs. 8 oz. Postpaid **\$1**.

MEXICAN SERAPE CACTUS

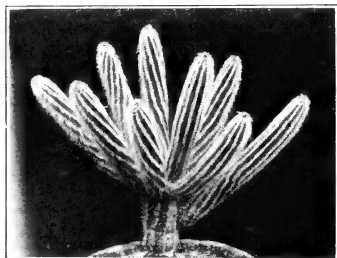
Lemaireocereus montanus

A colorful cactus, some being yellow spined, some red spined, others almost black. Easy to grow and one that every collection should have. 1"-2" **17c**.

CANDELABRA CACTUS

Lemaireocereus Weberi. A gigantic cactus from Mexico forming a huge, candelabra-shaped crown. An easily grown and very attractive species. Makes a very "cactus" specimen. 1"-2" **17c**.

Lemaireocereus chichipe. Rare and slow grower. 5"-6" **40c**.



LAMB'S TAIL
Wilcoxia senilis

This dwarf cactus bears wool on its finger sized branches and during the early summer, quantities of starshaped, charming pink blossoms. The one illustrated bore 35, lasting some weeks. Grafted on Princess of the Night on which they grow freely, making long lived specimens.

Single stem grafts ready to branch **50c**.

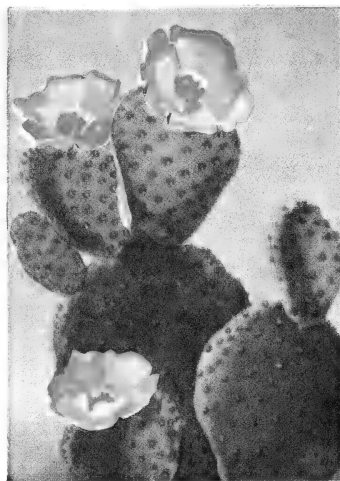
LEMAIREOCEREUS

These upright Cerei branch from the base and in Mexico where they are found wild often grow to 15 ft. though some may reach 30 ft. In the window garden they will not overgrow only with generous treatment will they exceed a few inches in height. Many have handsome powdered blue-white stems. The flowers arranged densely along the ridges are pink or white and very attractive and are followed by round, red, heavily spined fruits of the easiest culture liking a sandy fertile soil and a fair amount of moisture.

POWDER BLUE CEREUS. See page 15.

ARIZONA ORGAN CACTUS. Lemaireocereus Thurberi. This is the famed cactus for which the Organ Pipe National Monument in southern Arizona was named. I have some beautiful plants, bright green with dark red spines which will be ready in June 1942. Don't fail to order this handsome plant. **18c**.

SILVER CANE. Lemaireocereus Beneckii. One of the most beautiful of all with frosted white canes, perhaps the whitest powdered of all Cacti. A choice collector's plant and very rare and sought after. Fine, white plants 4"-6" each **75c**.



BEAVER TAIL
Opuntia basilaris

The Beaver Tail is found all over Southern California where in late spring its glorious rose-pink blossoms form welcome spots of color. The 3"-4" flowers look like moss roses, each glistening petal like crumpled Chinese silk. **17c**

Lemaireocereus Dumortierii. 6"-8" **75c**.

Lemaireocereus deficiens. 6" **50c**.

Lemaireocereus Treleasei. 6" **35c**.

WEBEROCEREUS BILLEYI

A curious epiphytic plant with very slender, trailing stems with air roots. We imported it from Costa Rica where it grows half shaded in the forest. Grows quickly and is interesting with its climbing pencil-like stems and pink blossoms. 4"-6" each **25c**.

CACTUS FOOD

Stubborn cactus plants often yield to its mild persuasion. 114 grams, **50c**.

Buy it in bulk, 15 oz. **\$1.00**
At Left.

PERUVIAN APPLE CACTUS

Piptanthocereus hybridus

Glorious flowers and delicious big, red apple-like fruits! Best you have ever tasted! Forms a large branched specimen more quickly than any other cactus. Likes a rich soil and plenty of water.

9"-12" Seedlings each **50c**.

Flowering size mature rooted cuttings, 12"-16" **\$1**.

Vigorous young plants. **17c**

GIANT CEREUS

These huge tree cacti may reach 40 ft. or 50 ft. in height and are a grand sight. Some of the largest are found in Lower California where their huge armed columns tower above the low chaparral like Gulliver among the Lilliputians.

PACHYCEREUS PECTEN-ABORIGINUM. Indian Comb. This fine species makes a splendid window garden plant with bronze green stems. The dried, spiny fruits are used as combs. 1"-2" **15c**.

PACHYCEREUS COLUMNNA-TRAJANI. Trajan's Column. A majestic species of great beauty. Rare 1 1/4"-1 1/2" **25c**.

PACHYCEREUS PRINGLEI. 4"-5" **50c**.

PACHYCEREUS CHRYSOMALLUS. A large and very rare species. 2"-3" **40c**.

ORGAN PIPE. Pachycereus marginatus. 1"-2" **20c**.

BRAZILIAN ROCK CACTI

Monvillea

Flower very easily and freely. The white blossoms are found all summer long, our plants seldom being without them. The smooth fruits are almost 2" in diameter, brilliant red in color. A most satisfactory and recommended group.

BRAZILIAN ROCK CACTUS. Monvillea Cavendishii. Charming blossoms, the plant somewhat like the Snake Cactus. 2"-3" **19c**.

MONVILLEA MARITIMA. Very free in flower, full grown plants 12"-18" tall. Very satisfactory. 12" blooming plants **50c**. 2"-4" **17c**.

OLD MAN OF THE MOUNTAIN

Oreocereus

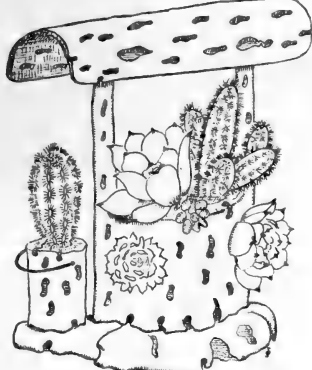
The Mountain Old Men are beautiful with their long, silky white hair. As they reach maturity the golden brown of the underlying spines is evident. With great age they may reach a yard in height. They are found high in the Peruvian Andes and succeed perfectly in a porous, loamy soil with a good sprinkling of sand and leafmold.

OLD MAN OF THE MOUNTAIN. Oreocereus Trohli. The most popular species with long white hair. Very rare now, 1 1/4"-1 1/2" **35c**.



PARODIA MUTABILIS. Nat. size.

The Parodias are all lovely plants with beautiful and bright blossoms. This one bears red and yellow hooked spines beautifully arranged in spirals and the most charming orange blossoms. Grows easily. Flowering size 1"-1 1/2" **30c**



WISHING WELL

This Chinese Wishing Well makes a most acceptable gift to discerning friends and is symbolic of your well wishes for their future. It is 7" tall, strongly made and cleverly finished of beautiful cactus lacewood. The planting of cacti is unique and will last almost indefinitely if kept watered. A fine ornament for an office desk, sideboard or library table. Colorfully planted, packed and postpaid.....**\$2.00**

MIXED CACTUS SEED

MIXED CACTUS SEED. Contains more than 25 standard varieties. No worthless species. Per generous packet.....**50c**

DELUXE MIXTURE. Superb mixture made up from over 100 species of Cacti. All important and many rare kinds included. Put up in 3 separate packets of fine, medium and large seeds. All 3 packets.....**\$1**

CHOICE MINIATURE CACTI. A mixture of the finest Pincushions, Easter Lily, Parodias, Ball Cacti, Chin Cacti, etc. 25 or more kinds.....**50c**

Minimum Order 25c Postpaid

Please add 3 or 8 substitutes to be used if we are out of items.

Pincushion (Mamillaria) mixed.....	10
Easter Lily (Echinopsis) mixed.....	05
Old Man Cactus (Cep. senilis).....	10
Coral Cactus.....	05
Scarlet Bugler.....	05
Orchid Cacti. Mixed, 10 seeds.....	05
Peruvian Apple. (Piptanthocereus). Mixed.....	05
Moon Cacti. (Eriocereus). Mixed.....	10
Silver Torch. (Cleistoactis Strausii).....	10
White Torch. (Trichocereus Spachianus).....	10
Torch Cacti. (Trichocereus). Mixed.....	05
Barrel Cacti. (Ferocactus). Mixed.....	10
Lobelia. Mixed.....	10
Queen of the Night. (Selenicereus). Mixed.....	10
Chin Cacti. (Gymnocylindrium). Mixed.....	10
Notocactus. Mixed.....	10
Brazilian Rock Cacti. (Monvillea). Mixed.....	10
Hylocereus. Mixed.....	10
Indian Head.....	10
Golden Ball. (Notocactus Leninghausii).....	10
Violent Sea Urchin.....	10
Echinocereus. Mixed.....	10
Turk's Cap. (Melocactus).....	10
Anelostroactis Scherffii.....	10
Coryphantha. Mixed.....	10
Echinocactus. Mixed.....	10
Myrtillocactus. Mixed.....	10

SUCCULENTS

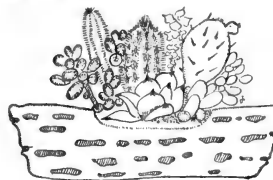
MIXED SUCCULENTS. Fine varieties.....	25
Tiger Aloe. (Aloe variegata).....	10
Aloe. Mixed.....	05
Mesembrianthemums. Mixed.....	05
Scarlet Paint Brush.....	05
Tiger Jaws. Mixed.....	10
Living Rocks. Mixed Kinds.....	15
Mexican Gem. (Echeveria elegans).....	10
Dinteranthus. Mixed.....	10
Echeveria. Mixed.....	10
Love Plant. (Anacampseros).....	10
Wart Plant. (Haworthia).....	10
Ox Tongue. (Gasteria). Mixed.....	05

SEND FOR SPECIAL COMPLETE SEED LIST

Lacewood Cactus Pots

Made from the wood of the
JUMPING CHOLLA CACTUS
(Pronounced "Choya")

The Jumping Cholla inhabits the very hottest and driest parts of our California deserts. It grows into a beautiful shrub 4-8' tall with glossy, golden spines so wicked the Mexicans say it jumps at one. The wood elements are arranged in a lacy, hollow cylinder almost like alligree work, hard and tough as steel. The intricate open work pattern of the wood makes up into lovely and novel containers for cacti. They are as practical as they are beautiful and plants thrive in them.



LACEWOOD LOGS

These are lovely and completely novel "dish gardens" and when planted with colorful Cacti and Succulents are sure to attract the attention of your friends. You will find them more than popular as bridge prizes.

Logs 6" long, 5-6 colorful plants 85c
Logs 8" long, 6-7 colorful plants \$1.



LACEWOOD POTS

These pots are 2 1/4" tall and are planted with four colorful Cacti and Succulents making them most attractive in the window garden or on a desk, sideboard or mantelpiece. Plant-
ed and postpaid.....**60c**

UNPLANTED POTS

2 1/4" 5 for.....90c
6" logs, 4 for.....95c
8" logs, 3 for.....75c
Wishing Well.....**\$1.10**

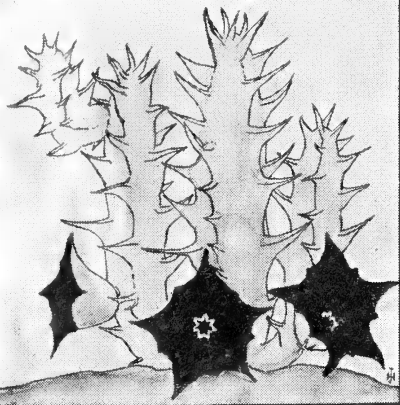
SOME RARE CACTI SEEDS

Easy and interesting to grow anywhere. Full instructions on planting with each order.

Acanthocalycium violaceum.....	10c	Notocactus apricus.....	10c
Arizona Giant Cereus.....	5c	" Leninghausii.....	10c
Bishop's Cap.....	10c	" submammulosus.....	5c
Cephalocereus chrysacanthus.....	10c	Old Man Cactus.....	10c
" columna Trajani.....	10c	Peruvian Apple Cactus.....	10c
" Palmeri.....	10c	Powder Blue Cereus.....	10c
" senilis.....	10c	Powder Puff.....	10c
Cleistoactis Strausii.....	5c	Prairie Pincushion.....	5c
" uncinatus.....	7c	Rainbow Cactus.....	10c
Coral Cactus.....	5c	Ruby Dimppling.....	10c
Cotton Cactus.....	10c	Sand Dollar.....	10c
Curly Plant.....	10c	Scarlet Bugler.....	10c
Dayam's Tree Cactus.....	10c	Silver Torch.....	10c
Echinocactus grandis.....	10c	Tom Thumb.....	5c
" Grusonii.....	10c	Turk's Cap.....	10c
" Igens.....	7c	White Torch.....	5c
" Palmeri.....	7c		
" pilosus.....	10c		
" uncinatus.....	10c		
Echinocereus.....	5c		
" luteus.....	5c		
" melanocentrus.....	7c		
" Reichensbachii.....	10c		
Echinomastus.....	10c		
Echinopsis campylacantha.....	10c		
" Huottii.....	5c		
" Johnsonii.....	5c		
" leucantha.....	5c		
" rhodotricha.....	5c		
Epiphyllum Gloria.....	15c		
" McDowellii.....	15c		
Eriocereus Bonplandii.....	5c		
" Guelchii.....	5c		
" Juehntzii.....	5c		
" Martini.....	5c		
Escobaria dasyacantha.....	5c		
" tuberosa.....	5c		
Ferocactus setiger.....	10c		
" Covillei.....	7c		
" electracanthus.....	7c		
" nobilis.....	10c		
" Wislizeni.....	5c		
Glory of Texas.....	10c		
Golden Ball.....	10c		
Golden Barrel.....	10c		
Golden Ball.....	10c		
Golden Easter Lily.....	10c		
Golden Star.....	7c		
Gymnocylindrium Mihanovichii.....	10c		
" Quelhianum.....	10c		
" Russelii.....	10c		
Hamatocactus setispinus.....	5c		
" Harrisia eriophora.....	5c		
Indian Head Cactus.....	10c		
Lady Finger.....	10c		
Lomatocactus Thurberi.....	10c		
Lemon Ball.....	5c		
Lobelia famatimensis.....	10c		
Mamillaria Balleoti.....	10c		
" bosseri.....	10c		
" camptotricha.....	10c		
" caput medusae.....	10c		
" carnea.....	10c		
" compressa.....	10c		
" decipiens.....	10c		
" discolor.....	10c		
" dolichocentra.....	10c		
" durispina.....	10c		
" elongata.....	7c		
" kawensis.....	5c		
" lasiocantha.....	10c		
" Lloydii.....	10c		
" melanocentra.....	5c		
" nigra.....	5c		
" Parkinsonii.....	10c		
" phymatochele.....	5c		
" sonoriensis.....	5c		
" tetracontia.....	10c		
" Zehniana.....	10c		
Melocactus intortus.....	10c		
" maritima.....	5c		
Myrtillocactus geometrizans.....	10c		
Neolloydia Benguetii senilis.....	7c		
Notocactus apricus.....	10c		
" Leninghausii.....	10c		
" submammulosus.....	5c		
Old Man Cactus.....	10c		
Peruvian Apple Cactus.....	10c		
Powder Blue Cereus.....	10c		
Powder Puff.....	10c		
Prairie Pincushion.....	5c		
Rainbow Cactus.....	10c		
Ruby Dimppling.....	10c		
Sand Dollar.....	10c		
Scarlet Bugler.....	10c		
Silver Torch.....	10c		
Tom Thumb.....	5c		
Turk's Cap.....	10c		
White Torch.....	5c		

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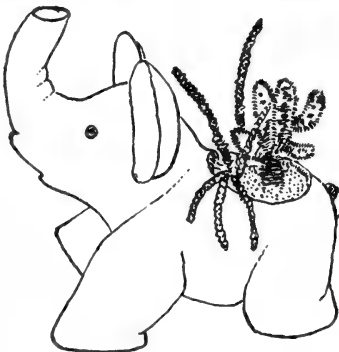
BLACK DRAGON FLOWER. Nat. Size

The fascinating easily grown *Huernia Penzigi* bears lovely black bells all summer and fall. Quick growing liking a sandy, rich soil and plenty of water in summer. Branched specimens 35c. Fine plants..... **17c**

CACTUS HELPS Collection M 25

Book "Cacti for the Amateur."
Jar Johnson's Cactus Food.
Cactus Insecticide and Leaflet.
Johnson's Cactus Soil Conditioner.
70c package Cactus Compost.
Quart Cactus Hardwood Charcoal.

6 Items to make cactus growing easy. Postpaid..... **\$3.00**



ELEPHANT. An amusing chap interestingly planted. Comes in all colors..... **75c**

The NEW SAND CULTURE for CACTI

HYDROPONICS is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand thus at once preventing any possibility of over watering. This is of particular interest to collectors where warm, dry or sunny weather is at a premium. Many choice or difficult plants thrive under this treatment for cactus roots, when well fed, enjoy spreading in the air-filled sand.



VITAMIN B-1 Wrights B-1 Tablets For Use in any Soil

Works miracles on cacti often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on Cacti records wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. We use it regularly at our nursery.

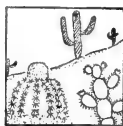
Each tablet makes 1 to 2 gallons of solution. 150 tablets with full instructions..... **50c**

JOHNSON'S SAND CULTURE KIT

Collection M-23

COMPLETE instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

1 1/2 gallon pkg. Plant-Chem, 150 tablets Vitamin B-1, 1 bottle Johnson's Cactus Food—All Postpaid..... **\$1.10**



SUPPLIES for CACTI . .

FEW things are needed in the growing of cacti more than interest and a desire to collect them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

JOHNSON'S CACTUS FOOD

At last a fertilizer prepared from my own formula that will make your cacti grow and bloom! The ingredients are blended and proportioned to help your plants make normal, matured, flowering growth. It is very highly concentrated, sugarlike in appearance and dissolves in water. Use a quart of water to a teaspoonful and watch your plants grow. May be used in conjunction with Vitamin B-1. We use it exclusively here at the nursery on all our plants. Well rooted Cacti and Succulents enjoy its mild stimulating effect.

Glass Jar 114 grams, 50c.
15 ounce box, \$1.00.
5 pound bag prepaid, \$3.00.

ROOTWELL

Want to raise Cactus cuttings? Our new triple hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full directions. Per jar..... **50c**

TERMS

I GUARANTEE SAFE DELIVERY ANYWHERE—ANYTIME

FREE DELIVERY: I ship free all orders amounting to \$1.00 or more. A few specimen sizes noted in text are f.o.b. Hynes.

MINIMUM ORDER for free delivery is \$1.00. Orders for less must have 15c extra to cover packing costs.

HOW TO REMIT: By check, money order or stamps. When stamps are sent I appreciate denominations of 10c to 25c. **No C.O.D.**

HOW WE SHIP: By guaranteed Parcel Post which delivers directly to your door. All plants are passed by State Horticultural Inspectors to insure freedom from all insect pests. They are packed by experts in strong especially made boxes heavily insulated from heat and cold and clearly marked "**Rush—Perishable—Tender Plants.**"

MAY WE SUBSTITUTE IF OUTF?

We have fine stocks of every item offered but owing to this season's great demand we ask you to provide us with 2 or 3 alternatives.

The prices, terms and guarantee herein voids all prior offers.

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size 10 oz., postpaid, 60c.
Large size 2 lb. 8 oz., postpaid, \$1.00.

JOHNSON'S CACTUS COMPOST Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our reclaimed sclerophyllus leafmold, charcoal, soil conditioner, lime, and gypsum in the proper proportions for all potted cacti. A light and bulky mixture the same as we use in our own potting soils for both seedling and specimen plants.

Per bushel bag F.O.B. Hynes, \$2.50.

Per peck, Postpaid, \$1.75.

5 pints to make 8-12 quarts of fine cactus soil. Postpaid..... **70c**

OUR SPECIAL CACTUS LEAFMOLD

A reclaimed, sclerophyllus desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam it makes a fine, economical cactus soil.

2 lb. 8 oz. bag, postpaid, 65c.

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soils.

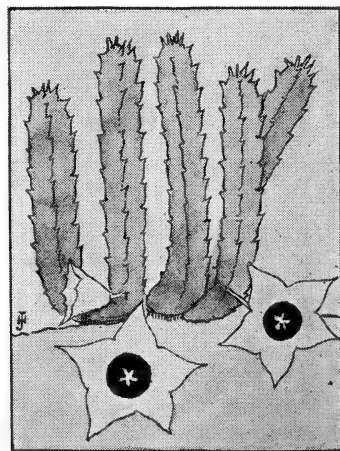
Per quart, 25c.

CACTUS INSECTICIDE

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Barfoot Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction sheet and bottle of Barfoot Spray, 40c postpaid.

Barfoot Neutral Spreader. Added to spray increases kill by better penetration of pest. Bottle, 20c.



RED DRAGON FLOWER

The handsome *Huernia Schniederlana* bears delicately beautiful blossoms with rosy-appearing petals and jet black center. Flowers all summer, likes water, exceedingly easy to grow. Branched 25c. Larger 35c. Fine plants..... **15c**



AUTOGRAPH CACTUS

A living album of your friends! When written with a pin or clean pen the name shortly appears in raised white letters.

See page 10. 5"-7".....**28c**

PLEASE USE THIS ORDER BLANK

IT WILL GREATLY ASSIST US IN PROMPTLY FILLING YOUR ORDER

JOHNSON CACTUS GARDENS

HYNES, CALIFORNIA

**FREE
DELIVERY!**

**ALL ORDERS OVER \$1.00
MINIMUM SENT FREE**

Please Fill Amount
of Money Sent

Money
Order \$.....

Cash.....

Stamps.....

Checks.....

If stamps are sent we
appreciate 10c to 25c.

Your Order

Is this your 1st order ☐
2nd ☐ 3rd ☐ 4th ☐

(Please Check)

NAME.....DATE.....

STREET or P. O. BOX.....

CITY.....STATE.....

Note! Orders for less than \$1.00 must include 15 cents extra to cover packing costs.

★ To assist us in promptly filling your orders please write letters on a separate sheet.

★ When you unpack your order look for my free booklet, "The Culture of Cacti."

QUESTIONS?

Owing to present conditions we are finding it increasingly difficult to attend to correspondence promptly and beg your indulgence for delays. We do not want to compete with defense industries for experienced labor. Leaving room in your letter for our pencilled answer will help us serve you better.

Stamped, self-addressed envelopes for replies are greatly appreciated.



SUBSTITUTIONS?

Due to the great number of items we offer, may we have two or three extra choices?

We have ample stocks and do not expect to run short of plants, but authorized second choices may save time and correspondence.



CACTUS SEED

See page 17 for our fresh cactus seed. The mixtures I put up personally and are of the finest standard species listed in this catalog. Complete seed list sent on application.



CACTUS BOOKS

"Cacti for the Amateur"
110 colored pictures.
150 cactus photos. Easy
to read. **\$1.05** postpaid.
\$2.05 cloth bound.

"Succulents for the
Amateur"
800 succulents described.
167 pages crammed with
information. 400 illustrations, 85 in color.
\$1.55 postpaid.
\$2.10 cloth bound.

QUANTITY

PLEASE ORDER ALL COLLECTIONS BY NUMBER

NO C.O.D.

PLEASE NOTE!
Minimum Order \$1
EXTRA BONUS!
On Order of \$1 or more
choose 10% in extra plants

Unique

CACTUS

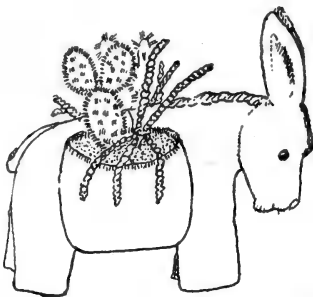
Pottery

POTS PLANTED AS ILLUSTRATED

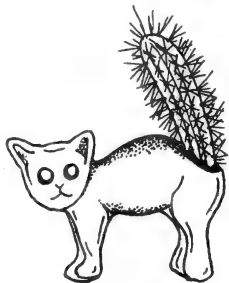
You will enjoy these well designed animal figures of fine glazed pottery, tastefully planted and in many attractive colors. White, black, light and dark brown and green, chartreuse, rich maroon red, rose, red, orange, mauve, yellow, blue. Choose your color but always give us 2 or 3 choices as sometimes we cannot secure just the ones wanted. If watered occasionally will remain in good condition 1 to 3 years.

POTTERY COLLECTION

Any three 75c pots. **\$2.00**
Planted and postpaid.



Burro with panniers. This patient, overburdened little fellow carries a load of 6 cacti and succulents and sells postpaid for **\$1.00**



KITTEN—5 in. long.

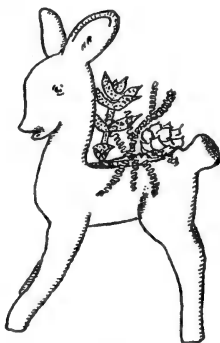
This pert kitten is very effective in deep orange or black but may be had in all colors. Each **75c**



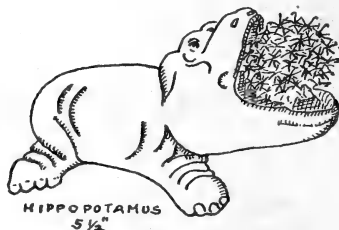
**DUCK
5"
EACH 75c**



"SNOOPER"
6 in. long.
Each 75c



FAWN. 6" TALL
This charming attractively planted figurine is particularly pleasing in raspberry, turquoise, mauve and white. Each **75c**

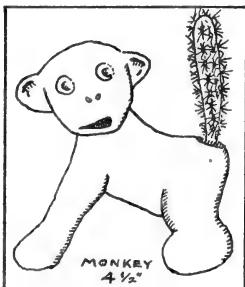


**HIPPOPOTAMUS
5 1/2"**

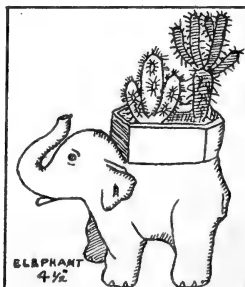
HIPPOPOTAMUS
Whose dripping jaws contain a succulent. Particularly effective in dark green or white. Each **75c**



A Mexican donkey cart with load of 3 cacti. 5 inches long. Effective in deep orange, brown, blue. Comes in all colors. **80c.**



A quizzical monkey with cactus tail. He'll bring a smile. Fine in dark brown, black and dark green. **75c.**



Elephant with howdah. Effective in deep green, mauve and white. **80c.**
Camel with cactus load. Very effective in orange, yellow. **80c.**



Dachshund with gasteria bow and cactus tail. Very effective in brown, rose or tints. **75c.**

CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have several books of reference to turn to when you want to learn further about your acquisitions or intended purchases.

Cacti for the Amateur. You will want this chatty but authoritative book. Cloth \$2.05. Paper \$1.05.
Succulents for the Amateur. 400 illustrations. 800 described. Cloth \$2.10. Paper \$1.55.

CACTUS CULTURE

By Ellen D. Schultz. A practical, simple, well illustrated book. Chapters on Indoor Cactus Gardens, Outdoor Cactus Gardens, Grafting, Watering, etc. 157 pages. \$2.10 postpaid.

THE CACTUS AND ITS HOME

A very sympathetic book written by famed Dr. Forrest Shreve of the Desert Laboratory of the Carnegie Institution. You will enjoy its chapters on the culture of cacti, propagation and grafting. Other chapters deal with interesting side lights on the family—how they are named, the origin of spines and other features, their flowers and fruits. There are fine habitat photographs and much about where cacti are found and how they live. One of the most readable and informative books. 195 pages. Cloth \$1.50 postpaid.

THE CACTUS BOOK

By Dr. A. D. Houghton. An interesting book that every fancier will enjoy with chapters on Window Sill Gardens, Cactus Rockeries, Propagation, etc. Introduces you to 1000 different kinds. \$2.40 postpaid.

CACTACEAE

With illustrated keys of all genera by W. Taylor Marshall. Supplements Britton and Rose and describes all new genera and species named since 1919. Cultural directions on all genera. \$5.10 postpaid.

CACTUS

By Van Laren. One of the most gorgeously illustrated books on plants it has been my good fortune to see! There are 133 large full colored, exquisitely faithful, plates of cacti. The text is a mine of information. \$5.10 postpaid.

STARFISH FLOWERS

THE STAPELIAE. By White and Sloane. A 3 volume, deluxe set, magnificently illustrated with 1283 photographs and color plates. Full notes on culture, habitats, biographies of botanists plus a critical revision of the tribe and full descriptions of all genera and species. \$12.50 express collect.

THE SUCCULENT EUPHORBIAS

1000 pages, 1100 photos of Euphorbias. A beautiful 2-volume work bound in buckram just issued. Full notes on culture. A manual for plant lovers. Per set \$12.50 express collect.



CURIOSITY PLANT. Nat. size.

Piptanthocereus peruvianus monstruosus

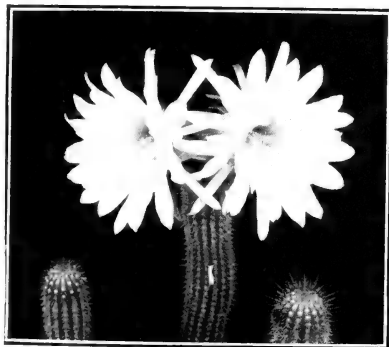
These novel and attractive cacti never lose their odd method of growth. They are always pretty with their bright chestnut colored spines and living green stems. Many of them are more grotesque than this photograph shows. Fine pot plants never getting too large. Give a fertile soil and water. Bright clean 2" plants 30c. Fine 1 1/2" 18c

ERDISIA

A very rare genus from the high mountain valleys of the Andes. They are small, pencil-shaped, with red flowers.

Erdisia Masiera 50c. *E. maxima* 50c. *E. squarrosa* 50c.

EULYCHNIA SPINIBARBUS. Spiny 6" 35c.



WHITE TORCH CACTUS

Beautiful, popular and extremely easy to grow. *Trichocereus spachianus* has stood 10 degrees above zero without harm. Forms a handsome specimen branching only from below. Glorious 6" snowy-white flowers. One of the best for grafting. 12" heavy specimens \$1.00. 18" \$1.50 post-paid. 8"-10" seedlings branched 40c. Thrifty clean plants. 1 1/2"-3" 17c



"Our Home-made Greenhouse Brings Us Lots of Fun," says Mrs. P. L. AKINS.

Dear Sir:

I am enclosing a picture of myself among my Cacti. They are kept in our home-made greenhouse and are growing beautifully. The majority of the smaller ones came from you, either as small plants or seeds. I have had very good success in growing plants from seeds.

In my collections, *Mamillarias* predominate and I have 60 different species of them. I find that cactus raising is the most fascinating hobby of any that I have ever had.

Very truly yours,

MRS. P. L. AKINS.

1523 Nelson St., Chicago, Illinois.

At Left. Flowering Tree Cactus.

Piptanthocereus millesimus monstruosus. A handsome variety with bold blue green branches much crested or rather "monstruosus." These bloom freely. Plain 19c. Monstruose 2" to 3" 30c.

TORCH CACTI Flowering *Trichocerei*

A splendid genus practically all of which have glorious flowers. Among them are many of our garden favorites that experienced collectors place among their choicest specimens. They vary from 12 inches to 25 feet in height and are found from sea level to 10,000 feet.

Culture. Vigorous rooting plants and the easiest to grow, thriving everywhere. Give them a fertile soil and plenty of water during the growing season. Rest partly dry during the winter.

WHITE BOWER CACTUS. *Trichocereus Schickendantzii*. Very free growing variety with plump branches whose low ridges are gemmed with chestnut-colored, harmless spines. Makes a many-headed specimen and bears handsome frilly white flowers in great abundance. A choice plant for specimens. 1"-6" fat specimens beginning to branch 50c. Larger \$1. Fine fat seedlings 1 1/2"-2" 17c.

TRICHOCEREUS CANDICANS RO-TUSTIOR. Glorious snow-white blossoms. Regular and free in flower. An attractive plant, making a fine specimen. May grow to 3 feet. 1"-2" 25c.

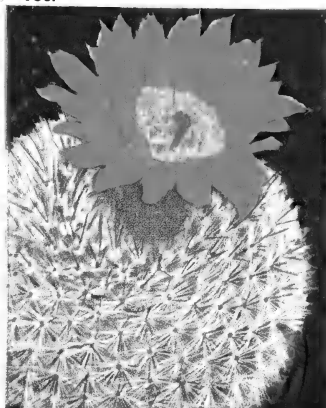
Trichocereus thelegonus. 1 1/2"-3" 22c.

Trichocereus poco. 3"-4" 50c.

Trichocereus Bridgesii. A quick growing subject with tall stems, growing extremely easy. The arms on older stems loop over and root at the tips. Likes a rich soil. 12" plants only 50c.

Trichocereus pascacana. A large columnar species from Argentina, found growing in the mountains on rocky slopes. 1 1/2"-2" 25c.

Trichocereus cuscoensis. A rare mountain species with tall stems. 8"-10" 75c.



SILVER BALL

Notocactus scopia. Nat. size.

A lovely plant of which even pea-seedlings have all the characteristics of older plants. They are clothed with pure white bristles interspersed with longer ones tipped with red. Grows quickly and easily under all conditions. A native of Brazil where it is found growing amongst shrubs in the crevices between rocks. You cannot fail to want this plant. Takes partial sun and moisture. 1 1/2"-1 3/4" 20c



MEXICAN LIVING ROCK

Ariocarpus fissuratus

It is a real thrill to see the lovely blossoms this singular plant produces amongst its horny tubercles. No plant could look less like a living thing. The tough horny skin is brown through which the underlying green faintly shows. The root is leaf-shaped, the top composed of triangular tubercles, fissured and warty. It thrives and flowers in the window garden, liking a very sandy, rocky soil and no water during winter. Giants 3"-4" 50c. Flowering plants 2"-3" 25c

WHITE CUP CACTUS. *Trichocereus Schafferi*. An almost spineless species with glorious 10" snowy blossoms. Grows most easily with very fat, pale green stems. Feed well. 1"-1 1/2" 23c.

GOLDEN CUP CACTUS. *Trichocereus huasha*. Deep brilliant yellow blossoms 7" across. 1 1/2"-1 3/4" 23c.

TRICHOCEREUS HUASHA RUBRA. An elegant and dwarf variety with red blossoms. 3"-5" 40c.

TRICHOCEREUS CHILOENSIS. A fine, heavily spined species from high in the Andes. Grows to 10 feet tall, becoming much branched with age. A fine specimen. 2"-3" 35c. 6" 75c.

TRICHOCEREUS KNUTHIANUS. A fine new species, tall and tree-like. 10" 75c.

TRICHOCEREUS MACROGONUS. Thick, tall stems and huge blossoms. 12" \$1.00.

TRICHOCEREUS LAMPROCHLORUS. A particularly free blooming plant. Blossoms 6" across. 2 1/2"-2" 20c. 6"-8" 75c.

TRICHOCEREUS STRIGOSUS. 2"-3" 25c.

TRICHOCEREUS SANTIAGUENSIS. 1 1/2"-2" 20c.

TRICHOCEREUS TERSCHECKII. 2"-3" 35c.

TRICHOCEREUS UYUPAMPENSIS. Rare. 12" 75c.

TRICHOCEREUS PACHENOI. Almost spineless. 12" 75c.

WILCOXIA

These interesting and free flowering plants have very pretty flowers and add tuberous roots. Our plants are grafted.

Wilcoxia australis. Grafted 60c.

Wilcoxia Poselgeri. Grafted 60c.

Wilcoxia viperina. Grafted 60c.





FASCINATING BARREL CACTI or ECHINOCACTUS

THESE barrel-shaped cacti are a very attractive group found scattered from the United States to Argentina. They vary greatly in their size and shape and in the kinds of flowers and fruits they bear. Some are tiny species the size of walnuts, others are 10 ft. tall and a yard in thickness. They may be identified in two great geographical groups, the North American ones centered in Mexico and embracing such plants as Bishop's Cap, Golden Barrel, Cat's Claw, Agave Cactus, etc., the South American ones the Parodias, Lobivias, Chin Cacti, Ball Cacti, etc. I have placed under Echinocacti most of the globular types even though technically some are related more closely to the Cerei. Almost all of them have one feature in common (shared with their congeners, the Cerei), that is—ridged stems. This accordion effect, well shown in the photograph of the Star Cactus at the right, allows them to expand rapidly without bursting when the rains fall. Their flowers are regular and wheel-shaped generally though not always borne in the younger areoles near the top of the stems. The larger species are of interest for the beauty and symmetry of even the smallest seedlings. Many of the smaller ones bear really remarkable flowers. The delicacy and brilliance of some seem all out of proportion to the plants as though nature had tried to make up for the harshness of their surroundings.

NOTOCACTUS MAMMULOSUS. Nat. Size

This handsome flowered dwarf Barrel Cactus from Argentina is very easily grown and surprisingly floriferous. They commence flowering when quite small, the bright lemon yellow blossoms often being as large as the plant. In the center of the flower the crimson rayed stigma nestles among the pale yellow stamens. The plants are bronze-green with short, stout spines which when newly expanding are red. The plant enjoys generous treatment and partial shade during the hot summer months. A dry winter rest induces blooming in late spring.
Nice flowering size 1¼"-1½"

23c

ASTROPHYTUM

To this grand group belong some of the most popular and pretty Cacti found in Mexico. They are usually small plants, often flowering several blossoms showing at once. The plants appear as though curved from stone and no collection is complete without them.

CULTURE. They grow readily in the window garden and are not too particular liking a sunny position if you have it. Give them a sandy fertile soil and when growing, an occasional application of Cactus Food. In watering do not keep them wet but let them almost dry out between waterings. I have found they seem to enjoy a little lime in the form of old mortar or powdered eggshells and a sprinkling of charcoal or crushed bricks (¼") mixed with their potting soil. If you do not have these things do not let that deter you for they are truly easily grown with almost any care.

BISHOP'S CAP

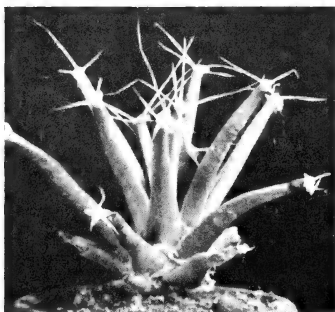
Astrophytum myriostigma

One of the most attractive, curious and free flowering plants we list. It is most easily grown and likes to be put in as sunny a place as possible where it will reward you with cheerful yellow blossoms during summer. It is pictured in color on Page 25. 1¼"-1½"

35c. 1"-1¼" 21c.

ASTROPHYTUM MYRIOSTIGMA POTOSINA. A large quick growing variety. 1¼"-1½"

40c.
ASTROPHYTUM ORNATUM. Star Cactus. See photo at right. A beautiful species with handsome flowers and most attractive habit. 25c.



AGAVE CACTUS

Leuchtenbergia principis

Certainly one of the oddest with 3" fragrant yellow and red flowers borne on the end of the nipples. Fine! 1½"-2"

25c

ASTROPHYTUM CAPRICORNE. A rare species with gorgeous red and yellow blossoms. 1"-1¼" each 40c.

Astrophytum capricorne senilis. Large 3"-4" specimens 1.50c.

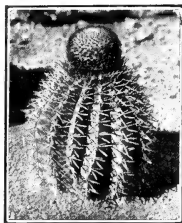
HOMALOCEPHALA TEXENSIS

A flat-topped cactus with many sharp angled ribs and stout curved spines, reddish and ringed. The flowers are large, bell-shaped bright pink flushed with orange-red, each petal deeply fringed and shimmering like satin. In the center the stamens are pale yellow, the stigma with 11 red rays. The flower is deliciously fragrant and lasts several days. The fruits are at first hidden in white wool but when mature are smooth and bright scarlet. Flowering size 2½"-3" 50c. 3"-4" 60c.

At Left.

PARODIA SCOPOIDES. Nat. size.

Brilliant orange yellow blossoms make this one of the most attractive novelties we have yet introduced. The plants even when not in flower are very pretty with their tiny hooked spines arranged in orderly spirals. Of the easiest culture, flowering when small. Fine 3-year-old 1"-1½" in specimens 27c



TURK'S CAP

These oddest of cacti bear a red cephalium perched on top like a Turkish fez! The flowers are borne on this strange growth. They were the first cacti brought to Europe perhaps by Columbus. Easy to grow liking warm moist atmosphere and a fertile sandy soil. Nice 1"-1¼" plants only...

25c

SPECIAL. I have a few full-grown specimens like the photograph 10"-12" tall 25"-30" in diameter with fully developed cephaliums. Splendid specimens for show purposes. These rare and beautiful plants express collect from Hynes with cultural directions, only \$7.50.

SACRED MUSHROOM

A Living Rock from Mexico bright blue without spines. Pink flowers. For centuries our Indians have used the plant as a narcotic producing an illusion of prismatic colors. Very easy to grow and very attractive. Mature 2"-2½" 50c



A FINE WESTERN CACTUS GARDEN

In this garden of Mrs. Hunt may be seen many interesting specimens. The tall columnar ones are Peruvian Apple Cacti which in the West grow into trees. In front is a nice specimen of Old Man and next to it a Woolly Torch.



HOW ECHINOCACTI GROW

Most of the Barrel Cacti we grow require the same treatment as Pinushions and Cere, coming as they do from similar regions where the rainfall is not heavy enough to support true forests but quite sufficient for shrubs and a wealth of annuals and bulbs in the rainy season. It is surprising how fertile the soil can be at the base of bushes or boulders which the plants favor. Our plants are easy to succeed with, for they are grown under much the same conditions you will provide for them in your own home. In general, a rule of thumb is the more fierce the spiny arament of any cactus the less water it will need. The spiniest are the Ferocacti; the least spiny, the Rebutias with their fat, tender green bodies which enjoy considerably more water and perhaps a little shade. The great majority we offer are in between. In our nursery all are grown under identical conditions and the extreme forms are grown side by side. Acquaintance with your own plants will soon show you how to secure the results you want.

CAT'S CLAW

Hamatocactus hamatacanthus

A very pretty plant with long hooked spines and bright yellow flowers which appear in early summer. Spines are red and yellow borne on tubercled ridges, the plant sometimes becoming several inches high. In cultivation they grow very freely, liking plenty of light and a rich soil and during the summer plenty of water.

Each.....

17c

HOME COLLECTION

10 BARREL CACTI

COLLECTION N15

One each of 10 different kinds including Bishop's Cap, Golden Ball, Easter Lily, etc. A group selected to give you an introduction to this very interesting and beautiful family. 10 nice plants all properly labelled, only.....

\$1.75

STAR CACTUS

Astrophytum ornatum, Nat. size.

A handsome specimen that every collection should have. It is quite easy to grow and with its large yellow blossoms tinged with red in the throat, a striking plant. Beautiful in all sizes 1"-1 1/2" 35c. 2"-2 1/4" 50c. 3" \$1.00. Handsome plants 3/4"-1".....

25c

LOBIVIA

Cob Cacti

These small Cacti are mostly mountain species from Bolivia (of which Lobivia is an anagram) and Argentina. Some species are found at 13,000 ft. elevation on the bleak shores of Lake Titicaca the world's highest lake. They are sometimes solitary plants, other species forming easily separating clusters. Many species have fleshy taproots while other species coming from the same districts have fibrous roots. The blossoms are exquisite in brilliant red and yellows.

CULTURE. They enjoy a fertile sandy soil and plenty of sun in summer. Rest in a cool place in winter. When growing they enjoy moisture.

LOBIVIA AUREA. See color plate on page 28. A very pretty and free-flowering species. 1" 26c.

LOBIVIA ATROVIRENS. A new species with very short spines and bright green body. It grows freely and makes a fine cluster. Lately introduced from Salta, Argentina. 1" 35c.

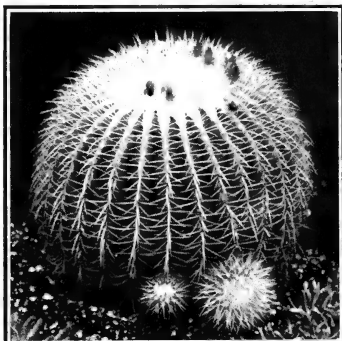
LOBIVIA CHRYSOCAETE. A new species just described and very distinct. Plant body is bronze green with low ribs and close-packed rows of almost white spines. Nice plants 1"-1 1/2" 35c.

LOBIVIA DENSISPINA. This handsome species reaches 2" in diameter with low ribs and close-set tiny spines. Flowers almost 2" long, yellow. Nice 2 1/2"-3" plants only 50c.

LOBIVIA BACKEBERGII. A handsome red flowered variety often literally covered with bright blossoms. Grows freely, the plant light green with slender, weak spines. 1 1/4"-2" 35c.

LOBIVIA JAJOIANA. A pretty species from Argentina with pale green body, tubercled ribs and long spines. The bright flowers are dark wine red. Each 35c.

LOBIVIA FAMATIMENSIS. A stout species with low ribs and many tiny spines. Flowers of various colors of yellow and orange. Each 35c.



GOLDEN BARREL

Echinocactus Grusonii

No collection is complete without this spectacularly beautiful species. A globe of purest, shining golden yellow unlike any other. Young or old they are golden, but the older it grows the more striking it is. For the first year or so it bears nipples instead of ribs! Of the easiest culture enjoying powdered eggshells for lime. A few specimens 5"-6" \$2.50. Fine golden plants 2"-2 1/2" 60c. 1 1/4" 35c. 1".....

25c

BRITTONIA DAVISII

This most interesting plant is found in Texas. The small plants are colorful with their red and yellow spines, the longest of each cluster being hooked. The blossoms, borne in a circle at the top, are yellow. Grows easily, flowers freely.

17c

At Right

FIRE BARREL

Ferocactus acanthodes

One of the handsomest Cacti native to the mountains of California. The fiery red color is from the long, hooked and twisted horny spines. They are startlingly conspicuous on the rocky hillsides, their color flaming red amongst the sparse shrubs. When sprayed with water the color becomes very intense. Plant them in pure sand and give no water, perhaps a trace in early summer. To give you the lowest price we ship only Express Collect. Packed weight approximately 6-10 lbs.

Giant specimens 24" to 36" in circumference, each.....

\$1.00

PLEASED WITH FIRE BARREL

"The shipment of Cacti arrived Saturday. They are beautiful and I received many compliments on them. You do not fully describe the beauty of the Fire Barrel. No one here has anything like it. In the afternoon when the sun shines on it, it is glorious. My fourth order in six weeks."

MRS. RALPH PEMMEYER, Burlington, Iowa.

SPECIMEN CACTI IN HOPEWELL, NEW JERSEY

The photograph is of the collection of Mrs. Robert Moore, R.F.D., Hopewell, N. J. Mrs. Moore has been very successful with her plants and the above shows but part of her collection which she has in the sunniest window all over the house. The specimen at the right is a *Ferocactus* similar to the Fire Barrel. The other is the Candy Barrel.

FEROCACTUS

These are familiar sights in the heat tortured desert mountains of the Southwest where they stand sentinel over the lonely wastes, yellow in the level rays of the rising sun, golden in the purple twilight. Give them a porous, sandy but fertile soil with a little leafmold; remembering not to keep their feet wet and to give them plenty of sunshine and fresh air.

CALIFORNIA FIRE BARREL. See description below. Every collection should include this one! A real big specimen, 2 feet to 3 feet in circumference. One of the prettiest of cacti and only \$1. each.

FEROCACTUS ECHIDNE. A large Mexican species with yellow spines and yellow flowers. 1 1/4" each 30c.

FEROCACTUS FLAVOVIRENS. A handsome species branching with many heads at last forming great mounds. Very rare. 1 1/4"-1 1/2" 40c.

CANDY BARREL. *Ferocactus Wislizeni*. A very pretty Fish Hook Barrel found in Arizona where the flesh is cut up and cooked in sugar making the famous cactus candy. 3/4"-1 1/4" 20c.

FEROCACTUS NOBILIS. A rare and fine species that in Mexico grows to a great size. The small plants are quite attractive with their colorful spines. 1"-1 1/4" 20c.

FISH HOOK BARREL. *Ferocactus latissimus*. This excellent species has long been popular. The spines are reddish or become red, the central one quite wide, rigid and hooked at the tip, the ribs sharp and low. A colorful plant and easily grown. 1 1/4" each 25c.

CACTUS SEED

Growing Cacti from seed is quite simple and interesting and many of our customers have had fine success with them. Full planting instructions are sent with every order. Seed germinates in from 3 to 10 days in a warm room. See page 17 for large selection!

MIXED CACTUS SEED. Contains 25 standard varieties. Packet 50c.

DE LUXE MIXTURE. Superb mixture of over 100 species of cacti. All important, many rare kinds included. Three separate packets of fine, medium and large seed for easy sowing. All 3 packets.....

\$1.00





VIOLET SEA URCHIN

Acanthocalycium violaceum. 2/3 Nat. size.

This colorful variety blooms over a period of two to three months in late spring. The flowers are quite large, funnel-shaped and of the most exquisite tender violet color. It is a free bloomer commencing to flower when small. Give it a fertile but sandy soil and a fair amount of water during the summer. A superb species. 3/4"-1" each..... **21c**

NEOPORTERIA

A rare Chilean genus often found on cliffs overlooking the seashore. Some species become almost spineless with age while others develop masses of curling white hair. The flowers are most attractive—bright pink, yellow or orange, of large size and freely produced. Give them a sandy, fertile loam soil and during their season of growth keep barely moist. Rest well during the winter by withholding moisture.

CHILEAN OLD WOMAN. *Neoporteria nidus*. One of the most striking white haired Cacti in cultivation! The plant is hidden in a thicket of long, curling and interlacing white or grey hair. One of our most gorgeous flowering cacti bearing exquisite, vivid pink blossoms 2" long lasting for many days, the buds crowding one another for space to open! Flowers more than once during the season. A few small plants 3/4" **50c**. Large flowering plants 2"-3" grafted on heavy stock. Beautiful, each **\$2.00**.

JOHNSON CACTUS FOOD

Buy it in bulk. 15 oz. **\$1.00**



INDIAN HEAD *Notocactus Ottonis*

Let me recommend this free-flowering cactus to everyone for its blooming period extends over many of the summer months. It often produces blooms larger than the plant that bears them! The largest plants may be 3"-4" tall. Grows easily under all conditions. Likes a rich soil with some sand and plenty of water during the summer. Half shade suits it well but it flowers better with more sun. Fine blooming size 1 1/2" each **35c**. Splendid 1"-1 1/4" that should flower soon..... **19c**

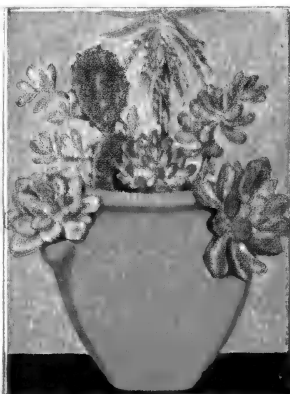
COMPLETE STORIED GARDEN WITH SOIL, POT AND 8 Fine Plants

This Strawberry Pot is approximately 5 inches tall by 5 inches wide and has a wide mouth and 3 generous side pockets for planting.

Collection N16

A garden that all may enjoy no matter how small the space. As gifts they are much appreciated. Let us send them to your friends. Every room is brightened by them. Grow and bloom for years on table or stand even if much neglected.

A Fine Selection of Plants with Soil and Pot Postpaid... \$1.50



STRAWBERRY JAR GARDEN

ECHINOCACTUS

HEDGE HOG CACTUS

These are the true Hedge Hog Cacti and are found in the West and in Mexico. The plants become, in some cases, quite large, thick and cylindrical with many waved long ribs, the top being often clothed with a heavy felt of white wool. The flowers emerge from this dense woolly crown and are generally straw colored and pale yellow.

CULTURE. They are quite shallow rooted and enjoy a porous sandy soil and a sunny position. They take a moderate amount of water after becoming established. Do not overpot nor any spiny cactus. Very easy to grow.

GOLDEN BARREL. *Echinocactus Grusonii*. Illustrated on Page 23. A spectacularly beautiful plant. **25c** and **50c**.

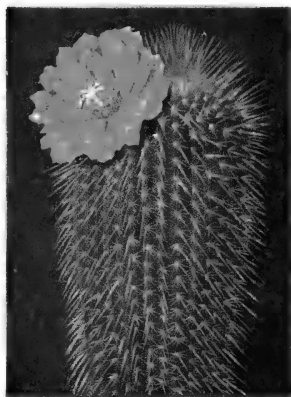
ECHINOCACTUS INGERS. An enormous species reaching 4 ft. to 5 ft. in diameter and as tall. It grows on gravelly mesas in Mexico and enjoys a sandy loam soil with leafmold 2"-3" **50c**. 1 1/2" each **30c**.

117 VARIETIES!

Dear Mr. Johnson:

I am so proud of the many nice cactus plants I have received from you in recent years that I could not resist sending you a photo of them. 117 varieties not mentioning my hardy cactus garden. The two big Easter Lily Cacti in the center are my pride and joy and are now 9 years old and the start of my hobby. They are indeed gorgeous in bloom. I find cacti like people, lose company and seem to thrive best when a number are planted together in each pot.

Let me compliment you on the grand way your company packs and ships plants as fresh as though just handed across the counter. Wishing you the best of luck. Sincerely yours,
MRS. H. V. BERRY, Ortonville, Minn.



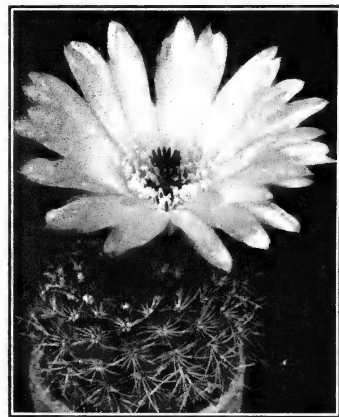
GOLDEN BALL

Notocactus Leninghausii. 2/3 Nat. size.

A lovely soft species with golden hair thickly clothing the entire plant. It is one of our most popular varieties and visitors always exclaim over its unique beauty. Grows readily, liking a little extra moisture and a rich loamy soil with some shade. We have some choice plants of this rare variety which comes from South Brazil. 1 1/4"-1 1/2" **35c**. 2 1/2" **75c**. 3" **\$1**. Handsome 1" only..... **21c**

ECHINOCACTUS PALMERI. A yellow spined species from Mexico that with great age produces slender trunks up to 6 feet tall. 1" **25c**.

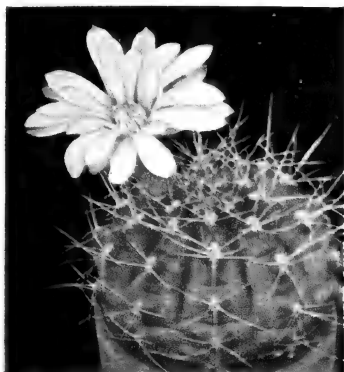
ECHINOCACTUS HELOPHORUS. A beautiful variety that becomes banded with purple and green. A most attractive plant. 1 1/2"-2" **35c**.



A PRETTY BALL CACTUS *Notocactus apuricus*. Nat. size.

This choice cactus bears flowers much larger than itself! One of my favorites growing so freely and flowering so regularly in the spring. It is a native of Uruguay growing on the coastal bluffs. The spines are soft and harmless, the flowers bright yellow with crimson stigma. The buds are covered with brown wool. 1 1/2" blooming size **35c**. Nice 3/4"-1"..... **25c**





DAM'S CHIN CACTUS
Gymnocalycium Damsii

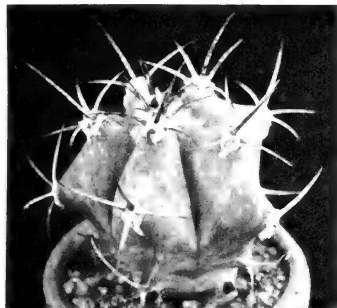
This free flowering Chin cactus is one of the very easiest to grow, coming into flower when hardly more than an inch across. The flowers vary from pink to white and even pale yellow. Likes a rich soil and plenty of water. From Paraguay. Blooms frequently throughout the summer and likes a partial shade. 1"-1 1/4" flowering size..... **27c**

PYRRHOCACTUS

A rare genus from Argentina and Chile with strongly tubercled ribs and red, sharp petalled, funnel-form flowers. They are a most interesting group and like a quite loamy soil and not too much water.

PYRRHOCACTUS HORRIDUS. A vigorous species with large chin-like tubercles, strong spines and brownish red flowers. 1 1/4"-1 1/2" **40c.**

PYRRHOCACTUS MAMMILLARIOIDES. A large species with heavily recurved blackish spines and dark mahogany-red flowers produced in great quantity. 2"-3" **50c.** 1 1/4" **35c.**



HEDGE HOG BARREL CACTUS

These Barrels are often used by thirsty Mexican travelers to supply a drinkable but slightly bitter water. This one makes an attractive window garden specimen. 1" to 1 1/4" each..... **20c**



HARDY HEDGE HOG
Thelocactus Schottii

For this really free flowering little plant I am offering fully mature specimens that have bloomed for many years. They blossom many times during the summer! A gem every collection must have. 2"-3" only **26c**



WHITE CHIN CACTUS
Gymnocalycium Schickendantzii

This South American Chin Cactus bears charming pink white blossoms and has long summer blooming season. A rare and fine specimen for the connoisseur. A few large plants only. 2 1/4"-3" **75c**

CROWN CACTI

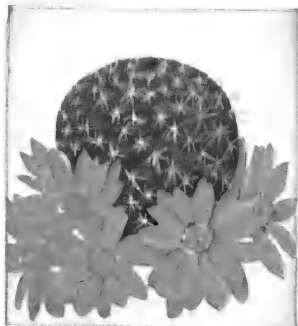
Rebutia

These brilliant flowered, small cacti bloom with the greatest profusion during spring and summer. The buds spring from the base of the plant where it enters the soil and at times almost smother the plant. The blossoms are lovely in hue, pink, red and yellow and as dainty as any in the family. They grow most easily and all flower when quite small. The plants when full grown rarely exceed 1 1/2" in diameter though many also form small clusters. The spines of all are harmless, hardly more than bristles. They are found in the mountains of Argentina, Bolivia and Peru.

CULTURE. Being very tolerant they thrive to perfection as pot plants blooming regularly. They are often grafted on the Peruvian Opile and in a single season will form a large cluster. We have found they enjoy a fertile sandy-loam soil with a little leaf mold if you have it. Always keep them moist. They do best in partial shade.

REBUTIA SENILIS. Silvery white bristles closely cover the plant and in the spring the carmine red blossoms appear. A pretty plant at all times. It is found at 7000 ft. elevation in the mountains of Argentina. 5/8"-3/4" **20c.**

REBUTIA SALMONEA. This charming variety has a light, green body, glossy bristles and a very pretty pale red flower. Very attractive. 5/8"-3/4" **22c.**



Red Crown Cactus

Rebutia minuscula. Nat size.

This blossoms well for everyone and in the spring our beds have hundreds of flowers! The bright red buds form at the ground level and keep opening for weeks. Very easy to care for and like quite a bit of moisture. 1". Blooming size..... **30c**

REBUTIA VIOLACIFLORA. Brilliant violet rose blossoms, the plant being quite small. A very fine species. 1"-1 1/4" **35c.**

REBUTIA KUPPERIANA. A new species with dark chestnut colored bristles and deep red blossoms. A very distinct species recently discovered in Bolivia. 1 1/4" **35c.**

REBUTIA GRANDIFLORA. A large flowered variety. 1 1/2"-3" **25c.**

REBUTIA SPEGAZZINIANA. A tall growing species with clustered stems and scattered bristles. Flowers dark red. 1"-2" **22c.**

REBUTIA CITRICARPA. A pretty variety with yellow-orange blossoms. Forms nice clusters. 1 1/2"-3/4" **30c.**



LEMON BALL CACTUS
Nolotocactus submammulosus

A plant every collector should have! These free blooming oddities flower in the spring, the cheerful yellow blossoms appearing over a period of weeks. A rare native of Argentina to 2" across. Fine 4-year old flowering size 2 1/2". 1"-1 1/4" flowering **19c**



BISHOP'S CAP

Astrophytum myriostigma

This popular and beautiful variety is an old favorite and one of the easiest of all to grow. It is found in Mexico where it grows on rocky mesas. They bear 5 ribs, no spines but the whole surface is closely covered with minute, star-like hairs, making the plant appear pure white and as rigid as though carved from marble. They bloom exceptionally freely all summer. When growing they may be freely watered but keep dry in winter. Beautiful 1 1/2" flowering size **35c.** Fine plants 1"..... **21c**

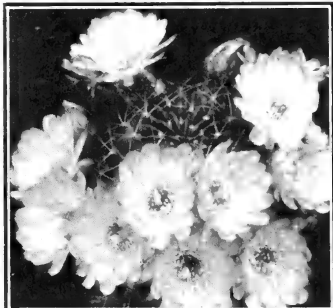
FRAILEA

Amongst the smallest of Cacti. They are almost spineless green globes hiding on meadows and hillsides bearing cheerful blossoms in spring. They like a fertile loamy soil and half-shade. Blossoms often cleistogamous.

Frailea gracilis. 3/4" **18c.**

Frailea pumila. 1/2" **15c.**

Frailea Schilinskiana. 25c.



HERTICH'S LOBIVIA

Turn to Page 23 for descriptions of other Lobivias. This species has crimson blossoms in June and July. A fine plant. 1 1/4"-1 1/2" **30c**



GLORY OF TEXAS
Thelocactus bicolor

Gorgeous crepe-like, bright yellow blossoms over 2 1/2" across in the spring till late fall. Fl. body. Splendid 3 1/2"-4" flowering plants **50c.** Smaller 2"-3" **35c**



SEEDLING CACTI IN OUR NURSERY

The greater part of our Cacti are grown from seed which is a slow, painstaking method but assures you of well-rooted, healthy plants used to the same conditions that you will grow them under. Experienced growers know the value of this!

GYMNOCALYCIUM VENTURIANUM.

This exquisite species has glorious bright red blossoms which are produced in great abundance. The plants seldom exceed 2" in diameter and sometimes bear a complete circle of their brilliant blossoms. Small plants 20c. 1"-1 1/4" 35c.

GYMNOCALYCIUM QUELHIANUM.

This fine plant bears many frilly white flowers whose petals are soft pink on the inside. Flowers freely all summer. The plant body is dark purplish. 1"-1 1/4" 35c.

GYMNOCALYCIUM GIBBOSUM.

A fine species from Argentina with short spines and low rounded ribs. Flowers large and in color from white to pink. 1"-1 1/4" each 35c.

GYMNOCALYCIUM GIBBOSUM SCHLUMBERGERI.

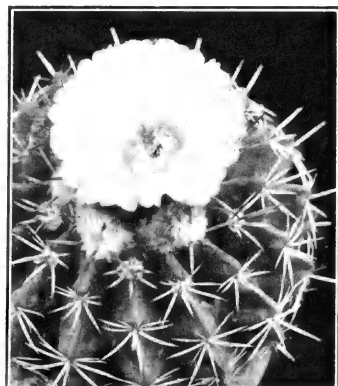
A variety with dark body and few spines. 1" 40c.

GYMNOCALYCIUM ANISITSII.

A very pretty species with few spines and low rounded ribs. Flowers frilly white. Found in Paraguay. 1" each 25c.

GYMNOCALYCIUM MULTIFLORUM.

A broadly rounded species with wide ribs and narrow furrows between. Spines are stiff, recurved. Flowers white and pink. 1"-1 1/4" 35c.



CHIN CACTI

Gymnocalycium

The Chin Cacti are a fine group of miniature cacti confined to South America—Argentina, Paraguay, Brazil and Bolivia, where they are found in the dry foothills and mountains. Many of them are easily grown and have lovely flowers in pink, red, white and yellow and often flower when very small. Several varieties flower again and again practically throughout the summer. They are globular plants seldom exceeding the size of an orange although one species grows to a foot in diameter. The ribs are few and low, tubercled with a distinct "chin" below each areole, hence their common name. Their scientific name is long and difficult but simply means "naked bud" referring to the glabrous flower buds. The flowers of all are pretty, sometimes much larger than the plants that bear them and you will find them a welcome addition to your window.

CULTURE. They are of the simplest culture, requiring no special care. A mixture of sandy loam, leaf mold or our Compost and sand in equal parts seems to suit them well, or just a light fertile loam will do. In the winter keep them cool and on the dry side so they will have a good rest and be ready to flower in the late spring. Almost all cacti enjoy a winter rest.

GYMNOCALYCIUM FLEISCHERI.

ANUM. A tender deep green plant with a crown of lovely pink and white blossoms with ruffled petals. The flat, small plant has 9-12 low, rounded ribs on which the tiny, soft spines are set on distant areoles. It grows easily and is a very choice plant. Native of Paraguay. 1 1/2" Mature 40c. 1" 25c.



We would be proud of such well-grown plants, too!

Mr. Harold Ruschky of 19 Miller Street, Mt. Clemens, Minnesota, can rightly be proud of such thrifty plants. You will note that in the north where winters are inclined to be long that the plants come through in splendid shape ready for spring blossoms.

10 CACTUS BEAUTIES

Collection N17

A choice selection of widely different cacti expressly chosen as plants I would personally like in starting a new collection.

- | | |
|-------------------|--------------------|
| 1. Old Man | 6. Bishop's Cap |
| 2. Indian Head | 7. Easter Lily |
| 3. Golden Stars | 8. Bird's Nest |
| 4. Peruvian Apple | 9. Arizona Organ |
| 5. Indian Comb | 10. Red Pincushion |

10 Fascinating Cacti, all labelled. \$1.50

WHY NOT SELL CACTI?

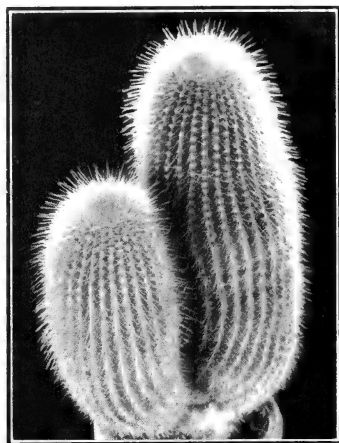
Write for circular M for information regarding cactus selling.

At Left.

COLUMBIAN BALL CACTUS

Malacocarpus Hennisii

Very easily grown cactus from Columbia with sharp angled ridges and satiny yellow blossoms. Seldom exceed 3" in diameter. Fine 1 1/2" 2" flowering size plants only 35c



GOLDEN BALL CACTUS

Notocactus Leninghausii

A very choice specimen plant being thickly clothed with long, soft, harmless golden hair. Visitors at our nursery always exclaim over its unique beauty. Though it is of the very easiest culture and in our shipping sizes grows quickly yet it will always be rare as tiny seedlings are very slow. It enjoys a sandy loam soil with a third leafmold. To get the best growth never let the soil become completely powder-dry.

Choice 1 1/2" specimens 60c.

Choice 2 1/2" specimens \$1.00.

Choice 4" specimens \$2.00.

Choice 1"-1 1/4" specimens 25c.

Beautiful 3/4" to 1" specimens, 3 yrs. old..... 19c

GYMNOCALYCIUM BODENBENDERIANUM.

A very pretty species from Argentina with dark purplish body and white and pink flowers. Ribs low and rounded with narrow furrows. Spines short, flexible and closely appressed. Free flowering and pretty. 1" 40c.

GYMNOCALYCIUM PFLANZII.

A rare species from Bolivia. 1 1/2" 50c.

GYMNOCALYCIUM LEPTANTHUM.

A small variety with appressed spines, low areoles cut in rounded warts. Flowers white. 1"-1 1/4" 30c.

GYMNOCALYCIUM LEEANUM.

This interesting species forms nice clusters, the plants bright green with appressed whitish spines. Flowers yellow. Each 30c.

GYMNOCALYCIUM LAFALDENSE.

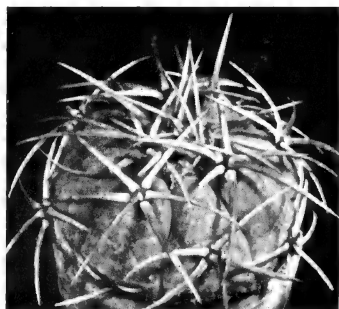
A dwarf species with white spines and large pink blossoms. Forms nice clusters. Makes a fine grafted specimen. Free flowering. 3/4"-1" 35c.

GYMNOCALYCIUM KURTZIANUM.

This fine species has white blossoms, pinkish at the base. Rare 1 1/4" 40c.

CACTUS FOR THE AMATEUR

A fine informative book on cactus culture. \$1.05 postpaid.



TEXAS NIGGER HEAD

Echinocactus horizonthalonius

Bears the loveliest pink flowers you ever saw! The plant is very free-blooming, opening its blossoms in the summertime. They come out in a fluff of white wool near the young areoles at the top. Fine mature old flowering plants, only 25c



A LETTER FROM AN OLD CUSTOMER

Dear Mr. Johnson:

I am sending you a picture of myself and cactus garden. Most of the cacti are ones I received from you and they have grown the most and are the strongest of all. It is now four years since I sent for my first cacti from your garden. As soon as spring comes I will want more to add to my collection.

MARY O'BRIEN, 8506 Valley Way, Opportunity, Washington.

MALACOCARPUS

These interesting and pretty flowered small cacti are found in Brazil, Uruguay and Argentina as well as the Andean region. The plants are 2" to 3" across, often rather biscuit-shaped, with many acute but low ribs. Spines are few and the top of the plant is hidden by a felt of whitish wool from which the pretty yellow, almost tubeless flowers appear. Of the easiest culture liking a sandy but fertile soil and quite a bit of water in the summer. During the winter give them a cool, dry rest period.

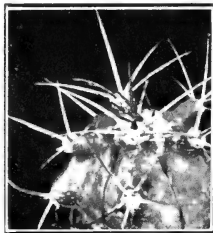
COLUMBIAN BALL CACTUS. *Malacocarpus Hennisii*. See picture page 26. A most attractive species flowering when small. Blooming size each, 35c.

MALACOCARPUS PAUCIAREOLATUS. A fine, large flowered species recently imported from Uruguay. Shining golden blossoms. Plant much compressed with low sharp ribs and few spines. Each 40c.



BUTTON CACTUS

This charming small cactus (*Epithelantha*) really is so curious, appearing perfectly white, the spines being so tiny and close together as to clothe the plant like a glove. Pretty pink flowers and bright red berries. Nice blooming size 19c



ECHINOCACTUS HELOPHORUS

A variety of the gigantic incense. Plants several inches in diameter have handsome 215-240 purple hands around them. Spines heavy and recurved. 1 1/2"-2" 35c. 2"-3" 45c.

GOLDEN BARREL

Turn to page 23 for photograph Beautiful golden-yellow spines. A striking plant.

TURK'S CAP MELOCACTUS

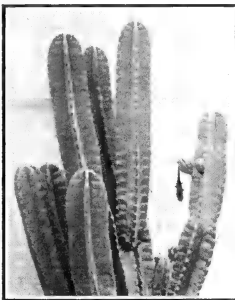
These odd plants bear a peculiar red cap or cephalum perched on top of the melon-shaped bodies, exactly resembling a red Turk's fez! The pink flowers are produced in this cephalum which is well shown in the photograph on page 22. It is formed by many stiff, red bristles under laid by white wool. Found principally on the Caribbean Islands but also occur as far south and west as Peru. They were the first cacti brought to Europe, perhaps by Columbus. Amongst the most curious plants in all nature.

CULTURE. They like a warm, moist atmosphere and during the growing season plenty of sun. Thrive in a quite sandy soil and cactus food is beneficial during growth.

TURK'S CAP. *Melocactus intortus*. One of the finest species of all with fine red cap. I have a few healthy young plants. 1"-1 1/4", 25c.

Special. Large full-grown show specimens 10"-12" tall, 25"-30" in circumference with well developed fez, like photo page 22. Express collect only, \$7.50.

Melocactus Antonii, 40c. *Melocactus Ernestii*, 35c. *Melocactus Jansenianus*, 35c. *Melocactus Neryi*, 40c. *Melocactus Otusipetalus*, 35c. *Melocactus Peruvianus*, 35c.



FREE BLOOMING TREE CEREUS

Piptanthocereus Gonianthus

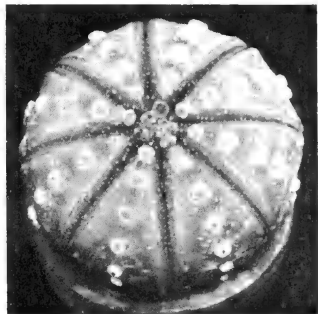
If our gardens in California lost these interesting tree cacti they would lose their most distinctive feature. They grow rapidly and soon assume their tree-like character with ascending branches which may reach several feet in length in the open ground or a foot or so in the house. With a strong root system, they like a rich soil and in the summer plenty of water and a dressing of cow manure. Other species are described on page 15. This is an exceptionally free-flowering and fine fruiting variety with quite blue stems and hardly any spines. The flowers are 6"-7" long, fruits size of duck eggs. 12" 19c flowering size \$1.00. 2"-4" 19c



LILAC EASTER LILY CACTUS

Echinopsis rhodotricha, 1/3 Natural Size

A lovely blossom of daintiest lilac, flowering in late spring generally several times. Each flower is 9"-9 1/2" long and quite fragrant. The plant is a fine smoky blue with dark colored spines and seldom bears offsets. These vigorous rooted plants like a rich soil and plenty of water during the summer resting time by keeping drier during winter. Found wild in Argentina. 1" plants 19c



SAND DOLLAR

Astrophytum asterias

One of the oldest looking of cacti. Pale green tinged with bronze and divided into 5-6 sectors, like a pie. They are entirely spineless but dotted with microscopic white stars. In the center appear the large yellow blossoms with red throats. These very rare cacti are collected by sheep herders in Northern Mexico where they grow thinly scattered on the mesas. They like a quite sandy soil and no water during the winter. Our plants are all mature flowering specimens. Giants 2"-4", 50c 65c, 2"-3"

PARODIA TOM THUMB CACTI

Amongst the most charming are these elegant and beautiful flowered small treasures. They bloom during the summer, the blossoms ranging from yellow to orange and crimson, and in some species are as large almost as the plant. They are mountain species found principally in Argentina in the cooler, damper regions.

CULTURE. Being quite at home in our gardens, they require no special care. Just a little shade is helpful and they enjoy a fertile, loamy soil and during their summer growing period to be kept quite moist.

TOM THUMB. *Parodia aureispina*. Turn to page 28 for color picture. A very handsome and rare small species from Argentina. Flowers most freely even when quite small. Grows easily and is an exquisite plant. Each, 27c.

GOLDEN PARODIA. *Parodia chrysacanthion*. This bears straight yellow-gold spines and yellow blossoms. A beautiful and dainty plant of the easiest culture. Seldom seen in any but the choicest collections. Each 25c.

PARODIA MUTABILIS. See page 16 for color plate. This pretty plant has tiny, reddish, hooked spines borne on low nipples in perfect spirals. The flowers are

borne in a circle near the top and are a rich orange yellow. Plants each 35c.

PARODIA SANGUINIFLORA.

An exquisite new species with brilliant ruby-red blossoms. The plant is very neat and pretty with radial spines and hooked centrals arranged in a spiral lacy pattern. 35c.

PARODIA STUEMERI.

A rare species with long brown spines, the central one hooked. Flowers pale orange. Makes a fine specimen. 40c.

PARODIA SCOPAPOIDES.

A charming species with rich golden flowers and pretty reddish spines. 35c.

MR. SHEAFFER HAS FLOWERED MANY OF HIS PLANTS

Dear Mr. Johnson:

I wish to let you know about my success with Cacti and Succulents. Enclosed is a picture of my collection of which I have quite a number that bloomed this last summer. My Night Blooming Cereus, which is not in the picture, had three large blooms on it during August. Note the large Burbank's Spineless Cactus in the right background. I have had two orders from you and to date have not lost a single plant.

I remain yours,

FRANK SHEAFFER, Route No. 5, Carlisle, Pennsylvania.



BALL CACTI NOTOCACTUS

Some of the most fascinating and lovely flowered Cacti are found in this group and I personally recommend them to your consideration knowing they will please in every way. The plants are very neat and none are very spiny, many having soft bristles. The flowers are bright and cheerful opening widely in the sunshine and often being most freely produced. They are of the easiest culture doing exceptionally well in the window garden. Many fanciers graft them on taller-growing sorts such as the White Torch or the Peruvian Apple where they grow rapidly and flower profusely. Such specimens are the heart of many collections.

CULTURE. They like partial shade during the hottest part of the summer. Very easily grown in a sandy but fertile soil and liking to be kept moist during their growing season even liking a little moisture during the winter. Native to the lower mountains slopes and valleys of Uruguay, Argentina and Brazil.

NOTOCACTUS APRICUS. This pretty species has flowers larger than the plant. It has long been a favorite, flowering quite freely in the spring. The spines are harmless bristles curling about the plant. The buds appear in the crown and are felted thickly with brown wool. 1 1/4" blooming size, 35c. Nice 3/4"-1", 25c.

NOTOCACTUS LENINGHAUSII. Golden Ball. A charming soft golden species, the spines reduced to bright golden hairs! Grows quickly and easily and always attractive. See page 26. 19c.

DEVIL'S FINGER CACTUS

Echinocereus Blancii 2/3 Nat. size.

Shining bright pink blossoms with a circle of yellow stamens and a bright green rayed stigma. These are small clustered cacti, the branches the size of one's finger and just the thing for pots. They flower in May, the buds literally bursting their way through the fat turgid "fingers". New plants beginning to cluster. 23c.

NOTOCACTUS FLORICOMUS. A large species from Uruguay reaching 4" in diameter with short, stiff spines the low ribs heavily tubercled. Small. 21c.

NOTOCACTUS GRAESSNERI. A very handsome species with short, hairy bristles bright yellow in color. Distinct from all others. A lovely specimen and exceptionally pretty when grafted. Quite rare but one of the choicest. Small 1/2"-3/4", 20c.

NOTOCACTUS HASSELBERGII. Scarlet Ball. A truly glorious species when well grown. Covered with short white bristles and crowned in February and March with a circle of vivid orange-red blossoms! A real treasure. 1/2"-3/4", 20c.

NOTOCACTUS LINCKII. A rare species with splendid large flowers. Plant fat, dark green often tinged purple. Ribs low rounded, not tubercled, spines reddish, flexible. A grand species. Small 1/2"-3/4", 25c.

NOTOCACTUS Muelleri — Melchersii. This new species is most attractive with many low, tubercled ridges and soft, flexible spines. Yellow blossoms. 1"-1 1/4", 50c.

NOTOCACTUS MAMMULOSUS. A splendid flowering species well illustrated on page 22. Plants may reach 3"-4" in diameter and flower in May. 1"-1 1/4", 20c.

NOTOCACTUS PAMPEANUS. From Uruguay. Young spine clusters quite red, ribs low, strongly tubercled, spines stiff. Flowers large, bright yellow. 3/4"-1", 30c.

NOTOCACTUS OTTONIS. Indian Head. See illustration page 24. The freest flowering, blooming all summer. No collection should be without it. 1"-1 1/4", 19c.

NOTOCACTUS SCHUMMANIANUS. Giant Ball. A very handsome species with long, reddish yellow, hair-like bristles. Beautiful in flower. Grows quite large to 4" in diameter. A very rare and choice species 1 1/2"-2" 50c. 1" 35c. Smaller 25c.

NOTOCACTUS SCOPA. Silver Ball. See color illustration page 21. White bristles tipped red. A grand variety. 1"-1 1/4", 20c.

NOTOCACTUS TABULARIS. A fine species with low, rounded ridges faintly tubercled and with flexible reddish bristles. Large hairy yellow flowers. 1"-1 1/4" 25c.

NOTOCACTUS VELANOVSKII. A rare variety near Mammulosus. 1" 25c.



GOLDEN EASTER LILY CACTUS

Lobivia aurea

A rare species with short, stiff spines set on low sharp ridges. The glorious yellow, shining blossoms are produced freely in late spring. Each bud is thickly covered with long black hair. They originate on the side of the stem near the top. Fanciers consider it one of the choicest of Cacti and specimens are much sought after. It enjoys a light, fairly rich soil and a sunny position in the window. A few nice plants 1" 30c.

ISLAYA

A very interesting genus recently segregated from Echinocactus. Plants are round with numerous low ridges and brown-felted areoles.

ISLAYA ISLAYENSIS. A very rare plant from southern Peru. A few grafted specimens. \$1.00.

PSUEDOLOBIVIA LOBIVIOIDES. A recently discovered genus in appearance like the hook-spined Echinopsis and bearing white flowers. Ribs low, acute; spines few, short. Plant forming clusters. Fine! 3/4"-1" 20c.

WEINGARTIA. A genus recently set up to take care of a difficult-to-classify group native to Bolivia and Peru.

WEINGARTIA CUMINGII. A handsome orange flowered species. Tiny plants for grafting. 25c.

WEINGARTIA NEUMANNIANA. A fine and rare species. Globe shaped with few spines. 35c.

DENMOZA RHODACANTHA. A rare and much prized specimen. 2"-2 1/2" 60c. 3 1/2"-4" \$1.25.

At left.

COW HORN

Euphorbia grandicornis, 1/3 Nat. size.

A fascinating Succulent from Africa. The stems are bright apple-green and 2-angled; the ribs bearing heavy 2-pronged, light brown horns. A distinctly different and striking specimen. Give it a rich loamy soil and plenty of water. We add a bit of dried cow manure to the potting soil. Likes partial shade. 6"-8" 50c. 10"-12" 80c. Fine 1"-4" specimens. 40c



PINK EASTER LILY CACTUS

Echinopsis multiplex, 1/2 Nat. Size.

The easiest growing cactus and an old favorite found in collections everywhere. Flowers when young. Customers write they have specimens 25 years old that have never failed to flower! Plants usually round though with age may become a foot tall. Grows wild in the rich regions of southern Brazil. Give generous culture and Cactus Food during summer.

SPECIAL. Large 3 to 4 inch flowering specimens. 50c.

Nice 2" flowering size 25c.

Strong 1 in.-1 1/2 in. plants. 17c

CHILENIA

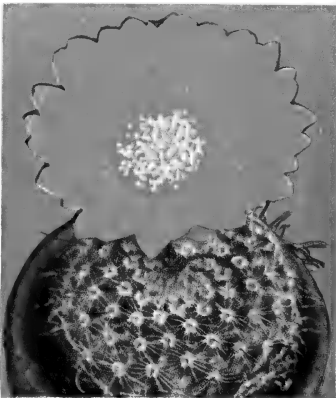
Fine, free flowered cacti bearing lovely cerise-pink blossoms. Large plants will bear dozens of them. They are very spiny globular plants with low, tubercled ribs bearing several flowers at each areole.

CULTURE. They like a sunny position and a rich, light, loamy soil with plenty of moisture while growing, less in the winter. They bloom with us from February to June.

CHILENIA ACCUTISSIMA. This attractive species has lovely carmine-red blossoms with spreading petals and short tube. The plant body is quite dark, very spiny, usually globular but with age reaching a foot or more in length. From Valparaiso, Chile. 1"-1 1/2", 21c.

CHILENIA HETERACANTHA. A rare species with bright carmine flowers, many ribs and flattened, globose body. 3/4"-1" 35c.

CHILENIA SUBGIBBOSA. One of the very best flowering cacti, blooming profusely in early spring, the bright pink blossoms appearing 2 to 3 at each areole. A good grower liking a fertile porous soil and during the growing season plenty water. 1"-1 1/4", 23c.

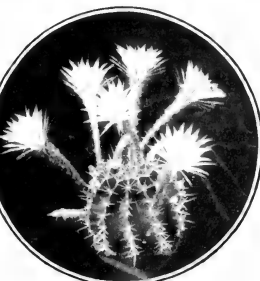


TOM THUMBE

Parodia aureispina, Nat. size.

This newly discovered tiny Barrel was found only on one cliff in Argentina. It is a handsome globe 2"-2 1/2" in diameter with harmless hooked spines on spiralled ridges. Flowers most freely even when quite small. All the spines are bright golden in color, a dainty and elegant plant. 1"-1 1/4" 25c

ECHINOPSIS AND ECHINOCEREUS



HYBRID EASTER LILY

These fine plants are the result of many crosses among our finest varieties and you will find them all very charming plants in many shades of pink or white. They are vigorous quick-growing plants and because of their parentage, come into flower early. Large old-flowering plants 3"-4" \$1.00. Smaller blooming specimens 50c. Nice 1"-1 1/4" 17c.

ECHINOPSIS RITTERI. A superb species with great ruffled flowers over 10" long borne directly in the top of the plant. A very rare plant with short spines and reaching quite a size. 1" 26c.

ECHINOPSIS LEUCANTHA. A fine species with long curved spines and numerous low ribs. Flowers from pale to pure white. Very pretty with wide, overlapping petals frilled on the margins! 25c.

ECHINOPSIS OBREPANDA. A very rare and distinct species with short recurved spines and low rounded ribs. Flowers white with black hair. 2"-3" 50c.

ECHINOPSIS ALBIFLORA. A charming variety with slender tubed, pure white flowers borne in the greatest abundance. Very choice. 2"-2 1/4" 25c.

ECHINOPSIS CALOCHLORA. A fat, rich shining green plant with low rounded ribs, short flexible spines and handsome ruffled white blossoms. Likes some shade and is a most attractive plant. 1 1/2"-2" 25c.

ECHINOPSIS KRATOCHVILIANA. One of the prettiest of these small shade-loving mountaineers. They are flat-topped with many low-angled ribs and tiny spines. Found in grassy glades and bears its charming white flowers abundantly during early summer. 1" 25c.

WHITE EASTER LILY. *Echinopsis turbinata.* A beautiful species with large white flowers! Grows anywhere. Likes water and rich soil. Splendid. 1"-2" flowering 25c.

ECHINOPSIS BRIDGESII. A tall-growing species with 10" blossoms. This most entrancing species is quite rare and well worth your attention. Likes a rich soil. 1 1/2" 25c.

ECHINOPSIS SYLVESTRII. A very choice and rare species. Exquisite snowy blossoms. 2"-3" 40c.

ECHINOPSIS or Easter Lily Cacti. These are old garden favorites grown all over the world for their glorious lily-like blossoms. The plants are native to the mountain regions of North America apparently in the better-watered districts for most all like moisture. They flower with the greatest profusion almost all summer long. In gardens they thrive under the most varied conditions and live to a great age, some of my customers writing that they have plants well over 25 years old that always bear dozens of their beautiful blossoms each season. Plants are generally orange-shaped but with age may become tall-cylindric and often have 10-15 flowers open at once, every flower in the neighborhood opening on the same day! This peculiarity is shared by some orchids. There are several distinct types, the most familiar being the Pink Easter Lily. More recently introduced are the charming smaller species with harmless spines like the illustrated *E. hamatacanthus* which is taller than either is the huge (10") flowered *E. Huottii*, which seems to offer a connecting link to *Trichocereus*. The flower of some, open in the evening but remain open till noon and if cloudy all day.

CULTURE. They like a rich, well-drained loam and during the growing season, plenty of moisture. In our garden, we top-dress them each summer with cow manure. They may be wintered in a cool place.

PINK EASTER LILY. See color plate, opposite page. A very free flowering species that grows well under all conditions. Flowering size 25c. 1"-1 1/4" 17c.

ECHINOPSIS HUOTTII. A splendid plant bearing glorious snowy-white frilled blossoms 8"-10" long! This is a very distinct Bolivian species not closely related to others. The plants grow several inches tall flowering in late spring. 1 1/4"-1 1/2" 25c.



PYGMY ECHINOPSIS

Echinopsis hamatacanthus. 1/2 Nat size.

This dainty little mountaineer sparkles the margins of grassy glades in the Argentine highlands. The blossoms are charming and are borne on the lower side of the plants. It grows freely, liking half-shade, a rich soil and quite a bit of moisture at all times. The flowers are produced in the spring and several crops may be expected over a period of two months or so. 1" 50c.

COLLECTION N 18

5 ECHINOPSIS

Such plants as *E. Huottii*, *albiflora*, *Kratochvilliana* correctly labelled. \$1.00

ECHINOCEREUS LUTEUS 25c. *E. mojavenis* 20c. *E. octacanthus* 25c. *E. paucispinus* 20c. *E. papillosus* 25c. *E. Poselgerianus* 20c. *E. Ritteri* 20c. *E. Salmianus* 20c. *E. sarissophorus* 25c. *E. stramineus* 25c. *E. Scheerii* 20c.

COLLECTION N 19

5 Hedge Hog Cereus all correctly labelled, my selection. Nice plants 80c.

At left

CACTUS FRAMES

Here you see cacti growing in outdoor frames at our nursery. In this way our plants are grown to insure healthy, sun-ripened growth crammed with vigor to do their best in your window garden. To grow our millions of plants well requires much painstaking labor and 20 of us are required to keep things going.

At right

AFRICAN LIVING ROCK

Pleiospilus simulans

One of the best of the Living Rocks or mimicry plants rarely having more than 4 leaves and these appearing like shards of splintered granite even assuming the rough uneven surface and the peculiar speckled gray appearance of granite. Quick growing 1"-2" plants. 20c



HEDGE HOG CEREUS

Echinocereus pentagonus

This is a particularly fine species from Mexico, the flowers being large and brilliant carmine-red. Each petal is frilled, the heart of the blossom filled with pale yellow stamens from which a bright green-rayed stigma protrudes. The plants form small clusters of 3"-4" branches and make unique pot specimens. Give them a rich sandy loam soil. Grow quite easily, like full sun when the buds begin appearing in April. An attractive plant at all times. 25c

ECHINOCEREUS

HEDGE HOG CEREUS

From Wyoming to Mexico City many a rocky slope is bright with the richly colored blossoms of the Hedge Hog Cereus. The brilliant heads of flowers are seen here and there amongst the boulders appearing in spring. The lovely blossoms range from pink to scarlet, purple, crimson or yellow often as big as the plants. The petals of each cup-shaped flower shine as though with frost.

CULTURE. They grow easily liking a rich soil but one well-drained with plenty of sand. During the early summer they like a fair amount of water and plenty of sunlight at all times. Rest in a cool window or basement during the winter.

ECHINOCEREUS MERKERI. Handsome purple blossoms. A quick-growing, fat-stemmed plant branching from below. Grows easily liking a rich soil and sunny position. A most attractive specimen. 6"-8" clustered 35c. Fine plants 23c.

DEVIL'S FINGER. Illustrated on page 23. **ECHINOCEREUS ACIFER.** Rare, orange flowered species. 1 1/2" 40c.

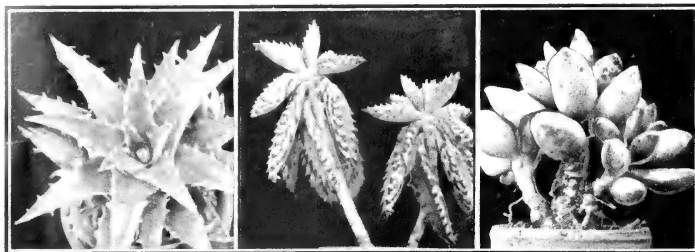
ECHINOCEREUS CINERASCENS. Freely branching with straight white spines and brilliant violet red blossoms. A handsome species. 2"-3" 30c.

ECHINOCEREUS CONGLOMERATUS. A beautiful purple blossom. Stems creeping, fleshy. 3" 25c.

ECHINOCEREUS CTENOIDEUS. A gorgeous many colored flower ranging from yellow to red. Blossoms extremely large and striking. A beauty. Fine blooming plants 3"-4" 21c.

ECHINOCEREUS ENNEACANTHUS. Lively red blossoms. Plants freely sprouting from the base. Nice clusters 35c. 2"-3" 25c.





PINEAPPLE DYCKIA

Dyckia sulphurea, whose bright green, sunny leaves and lovely spikes of rich yellow blossoms deserves a place in your window. Likes water and shade. 29-37" **18c**

COCONUT PALMS

Bryophyllum Houghtonii
Looks for all the world like miniature coconut palms! A cluster in a brightly colored dish makes a very pretty ornament. Grow anywhere. Tall, varied sizes. 3 for 25c. **15c**

PRETTY PEBBLES

Adromischus Clavifolius
A charming small plant with pretty marked leaves. Silver-green and maroon. Likes moisture and grows in either sun or shade. A native of South Africa. Each **20c**

ODD MESEMBRIANTHEMUMS

Many of the most fascinating and curious succulents are found in this large and varied family from South Africa. There are a great many kinds of them, including the Living Rocks, Stone Faces and Tiger's Jaws. Every collection should have representatives.

SILVER SKINS

ARGYRODERMA OCTOPHYLLA. This fine species has silvery green, smooth leaves. Very rock-like. Flowers cream. **18c.**

TRICHODIADEMA DENSE. A lovely flowered cactus-like mesemb with bright pink blossoms 1" in diameter as large as the plant. Looks like a Pincushion Cactus, each nipple-leaf with a star of spines. Flowering 1". **22c.**

ELK HORNS

Rhombophyllum Rhomboideum

Curious antlered leaves and bright yellow flowers. Leaves in basal clusters. An easily grown succulent. Each **23c.**

Imitaria Muirii

A very rare succulent with a single pair of leaves joined together, the flowers appearing through a tiny slit in the top. **50c.**

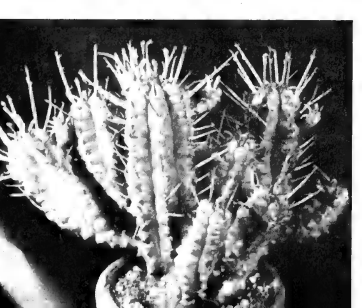
Nananthus Orpenii

A very pretty little species with a tight cluster of triangular spotted leaves and many yellow daisy flowers. Flowering size. **17c.**



LITHOPS SUMMITATUM

A very pretty species, with age forming clusters. Windows heavily marked with brown in a very pretty pattern. Plants mature their growth in spring after which they should be kept dry until autumn. White flowers in September and October. Each **25c**



TIGER JAWS

The *Faucarias* are fascinating with their lovely flowers and queer, fiercely toothed leaves. Amongst the easiest to grow of house plants, thriving in sun or shade and blooming freely in fall and winter.

TIGER JAWS. *F. tigrina.* The best known variety. Blooms freely. No collection should be without it. Clusters **25c** and **35c.** Fine plants **17c.**

SUPERB TIGER JAWS. *F. superba.* Well toothed blue green leaves with many white dots. Fine. **19c.**

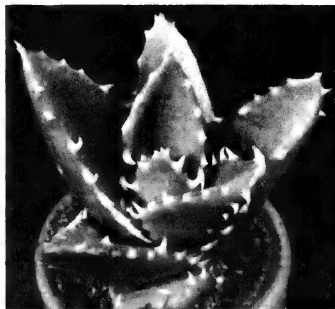
COLLECTION OF 5 TIGER JAWS

My selection properly labelled..... **65c**



QUEEN VICTORIA'S CENTURY PLANT

Handsome of the Agaves! A dwarf species with short, deep green leaves heavily and sharply striped with white. Makes a capital specimen for it grows slowly. Give it a rich, light soil and plenty of moisture. A native of Mexico. Nice plants. **22c-37c**



ALOE NOBILIS

This fine small species bears 18" spikes of bright red buds during the summer. Mature plants are 6" in diameter and often branch from the base. Rich green leaves margined with yellow prickles. Grows in South Africa. Likes a rich soil and water. 5-6-6" blooming size 40c. Nice plants. **18c**

At Left

PICKANINNY TOES

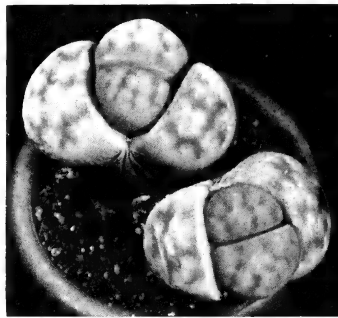
Euphorbia Aggregata

The heads grow jammed together, each topped by numerous soft red spines in winter. Each **20c.**

SUCCU

Strange and Beautiful

SUCCULENTS are so named because of their thick succulent or water-storing leaves which have been developed to tide them over the desert's long dry seasons. True Cacti are succulent too, but only these plants are called "Succulents." The deserts of South Africa are particularly rich in them. There are found the Living Rocks and their myriad kinfolk. Beneath the shrubs grow the fascinating Starfish Flowers, some with blossoms as



A STONE FACE

Lithops Karamontana

This charming species was discovered in the Karas Mountains of Southwest Africa by Mrs. Jutta Dinter. Professor Dinter spent many years exploring for these "flowering stones" in Namaland. The plants which are grey to fawn color with darker dendritic markings are found growing amongst quartz pebbles which they closely resemble. All *Lithops* mimic the rocks amongst which they grow in an almost uncanny fashion. They are invisible until the snow white flowers discover them! Each **25c**

STONE FACES

LITHOPS

Mimicry amongst animals is common; among plants extremely rare. These lovely little plants are true mimics closely imitating the stones amongst which they grow. They come from the deserts of Southwest Africa where their succulence makes them a choice tid-bit for the roving ostrich. Probably those conspicuous amongst the stones soon fall prey to their catholic taste. They are also perfect examples of true "window plants," the dendritic markings or pattern on their tops admitting diffused light to the chlorophyll hidden beneath the ground! There are almost one hundred species differing in pattern, design, shape and flower color! They are gregarious and many kinds may be planted together in a single pot or pan, spacing them a half inch or so apart.

CULTURE. Since they come from the driest parts of Africa, they do not want much water. They like a sandy, gravelly soil with some leafmold and loam. Their growing period is short, about three months, and when new growth (leaves) are forming, they need in early spring, more water may be given. When at rest, water should be given sparingly at rare intervals. They form but one pair of leaves yearly and flower in the fall. Since interest lies in their perfect adaptation to their native environment, colored pebbles may be placed about them to display their mimicry to your friends a living proof of nature's wonders!

20c EACH, 5 YEAR BLOOMING SIZE

LITHOPS FULLERI. Beautiful milky rose with a handsome darker pattern. Flowers white.

LITHOPS FULVICEPS. A lovely form, pinkish fawn sprinkled with olive green dots. Flower yellow.

LITHOPS FRAMESII. Slate green, darker pattern.

LITHOPS HERREI. Fawn grey, transparent windows.

LITHOPS LERICHEANA. Beautiful pinkish brown with heavy dark pattern.

LITHOPS LESLIEI. Rust brown, with green window.

LITHOPS MEYERII. Silvery green, spreading leaves.

LITHOPS MICKBERGENSIS. Pale reddish grey, brown windows.

LITHOPS OLIVACEA. Olive green, few markings.

LITHOPS OPALINA. Milky rose. Flowers white.

LITHOPS PSEUDOTRUNCATELLA. Large growing with smooth tops flushed and marbled with brown. Flower yellow.

LITHOPS RUGOSA. Smoky rose, dark windows.

LITHOPS SCHWANTESII. Rose brown, red pattern.

LITHOPS TERRICOLOR. Pink to pale green with dark grey dots and windows. Flowers yellow.

LITHOPS TURBINIFORMIS. Beautiful brick red with blood red lines between warty "protuberances"

LITHOPS UMDAUSSENSIS. Grey green, dark pattern.

LITHOPS URSULAE. Tan color with dark markings.

LITHOPS VALLIS-MARIAE. Milky rose and lilac.

STONE FACE COLLECTION N20

Plant them together in 4"-5" pot. 10 fine varieties, my selection, \$1.50.

COLORLED DESERT ROCKS

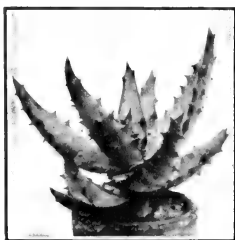
MIXED JASPER, QUARTZ, etc., for mimicry pots. Portion 25c. Pound 50c. Postpaid.

DESERT ROSES. Rare quartz formation. 25c each.

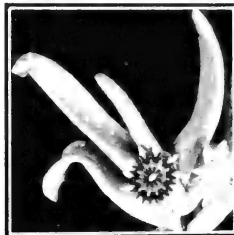
LENTS

Desert Plants

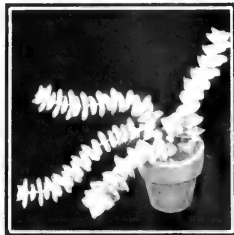
big as dishpans. Brilliant torch bearers are the Aloes marching over veld and kopje while hundreds of curious succulents are found in infinite variety. In America, Mexico is noted for its lovely Echeverias, Pachyphytums and Sedums in endless variety and abundance in the damper mountains. On the mesas and desert ranges are Agaves and Yuccas mixed in grand abandon with the Cacti.



AFRICAN TREE ALOE
Aloe africana grows upright, soon forming a small tree with whorled prickly leaves at the top. 15c
A choice plant. 2 1/2"-3 1/2"



TONGUE LEAF
The long tongue-shaped leaves give the plant its name, Glossy Starwort. In winter the bright yellow blossoms appear. Large 25c
2 1/2"-4"



NECKLACE VINE
Grassula perfoliata
The leaves are in long chains, the stem passing through them like a string of beads. Unique 17c
and very hardy.



DEVIL'S CLUB
Euphorbia cereiformis

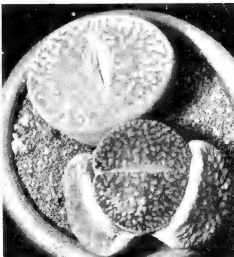
A characteristic African Succulent whose dark green, sharply angled stems are well worthy of your garden. In winter the new spines, which are really flowering stems, are crimson. As its specific name implies, it resembles a Cereus. It branches profusely and old plants become almost a ball. Like all Euphorbias, when pruned it exudes a copious white milk. Give it a fertile, sandy loam, water and sun. 3 1/2"-4" 18c
25c. 1 1/2"-2"



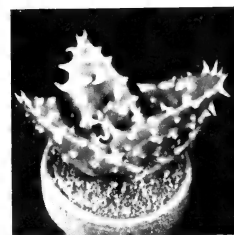
BARBER POLE ALOE
Aloe parvibractea

Young plants are brightly dark striped on a silvery green ground. At first the leaves are quitant but later form a spiny leaved rosette from which the tall spike of rose red flowers arise. Flowers in second year. Very odd and pretty. 15c
2 1/2"-3"

ALOE FOSTERI
A beautiful plant with white dotted leaves from W. Africa. Flower spikes to 7 feet tall with beautiful red bells in hundreds. Blooms second year, each plant flowering all summer long. 2 1/2"-3" 15c



LITHOPS AUCAMPAE
A lovely brick-red variety with only a crack between the leaves through which the flower pushes! 23c
Each



GOLD-SPINE ALOE
Aloe mitraeformis
Bright yellow prickles against pale green leaves make this a popular plant. Umbels of red flowers in summer 15c



WINDOW LEAF
Haworthia plicata

In Southwest Africa there is a remarkable group of plants called "Window Plants" because of the curious structure of their leaf tips which, acting as a window, allows the light to penetrate to the green assimilating tissue which would otherwise be deprived of light as the plants are buried in the sand to the windows. They are most interesting. Should not be buried in planting. This one is easily grown in a light sandy soil. Flowering size. 21c

ODONTOPHORUS

Very succulent plants with toothed leaves in pairs. Flowers of good size. Plants like a quite sandy soil. Flower in autumn.
ODONTOPHORUS MEYERI. A rare new species with pale green, warty leaves. 18c.
ODONTOPHORUS NANUS. Between the rugose leaves appear the white flowers. 18c.
ODONTOPHORUS PRIMULINUS. Fine yellow flowers. 18c.

CULTURE OF MIMICRY PLANTS

Our culture folder on these fascinating plants sent for 10c.



A CONNECTICUT CACTUS COLLECTION

Dear Mr. Johnson: This picture is of my collection which now has 55 Cacti and Succulents. All of your plants reached me in the condition and are all growing beautifully. My collection is one year and three months old (July 17, 1911). I give my plants an average amount of water and sunshine and water them with "Johnson Cactus Food." My Empress Opuntia Cactus flowered this month. I have been so pleased that I am sending another order soon.

Harold L. Krieger, East Ridge Road, Middletown, Connecticut.

JOHNSON'S ROOTWELL

Our new potent triple hormone powder for rooting cuttings of any kind. My own formula designed for quickly rooting Cacti and Succulents. A dry powder, it is applied with the finger to the fresh wet cut. It sterilizes the cut surface, preventing soft rot and the three powerful hormones it contains induce the luxuriant growth of roots. Use it on all cuttings for quick results such as Roses, etc., either soft or hard wood. Full directions. 50c
Per Jar

25 ODDS AND ENDS

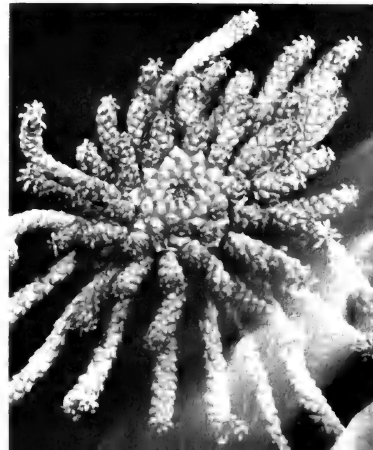
About every large nursery there are always odds and ends, unlabelled plants, small lots of which we do not have enough to catalog, odd plants left over after packing, etc. They are all good plants, not discards, but healthy rooted specimens. All different. Cacti and Succulents unlabelled.

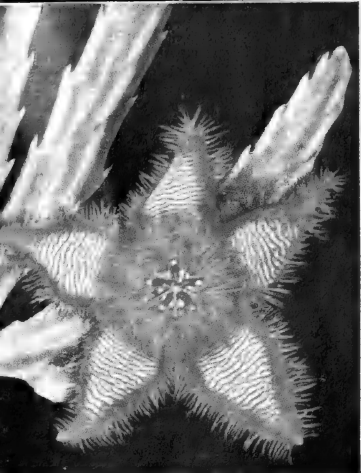
Collection N19, 15 plants for \$1.50.

Collection N20, 25 plants for \$2.50.

MEDUSA HEAD

Euphorbia Bergeri. Fine specimens of this rare curiosity. 2 1/2"-3" 75c





HAIRY STARFISH FLOWER

Stapelia hirsuta. ¾ Nat. Size

This lovely desert star is one of the most fascinating plants inhabiting the distant velds of South Africa. They are much at home in the window garden and bloom the first year, more or less throughout the summer and fall. The plants are small (4"-6") and the blossoms appear on the new growth as shown in the color photograph. Everyone can flower them. Clusters, each..... **35c**

STARFISH FLOWERS

Few stranger plants have come from Africa than these odd and curious blossoms, some of which reach 18 inches in diameter. This seems more remarkable when it is known the plant may be only 6"-8" tall! There are numberless species and genera of them, all with thick, juicy, finger-like stems in clusters rooting on the top of the soil as they advance.

CULTURE. They like a very sandy loam and an airy light location. When in summer growth give plenty of water but as growth matures keep them dryer. During late fall and winter keep quite dry. They bloom on the young growth.

GIANT STAR FLOWER. *Stapelia gigantea*. See color plate on cover. This splendid species is easy to grow and flower and bears immense blossoms a foot in diameter. No collection is complete without it. Large plants **50c**. Blooming size **35c**.

STARFISH FLOWER. *Stapelia variegata*. See color plate, page 33.

STARLETS. *Stapelia pulchella*. A charming variety with pretty yellow blossoms, spotted maroon. **20c**.

STAPELIA GETTEFII. An interesting species with large fringed and coppery flowers. **50c**.

FLOWERS COMPARABILIS. Large, smooth, coppery red flowers. **50c**.

HUERNIA

Dragon Flowers

RED DRAGON FLOWER. *Huernia Schneideriana*. See illustration page 18. Grows exceptionally easy and flowers very freely. **15c**.

BLACK DRAGON FLOWER. *Huernia Penzancei*. See illustration page 18. Grows exceptionally easy species has red-black flowers. **17c**.



KLIENTIA

These odd plants belong to the daisy family though you would never guess it. They are African and enjoy a sandy, fertile loam and light, airy position.

WINDOW PICKLES. *Klientia radicans*. A true "Windowed Plant" with pickle-shaped leaves and window stripe the length of each leaf. In this curious plant the leaves are strung on chains. White dandelion-like flowers and puffs of seed. A good hanging vine. **20c**.

COBWEB PLANT. *Klientia tomentosa*. A snow-white plant completely covered with a cobwebby felt of wool. Very choice, grows to 6" tall. **28c**.

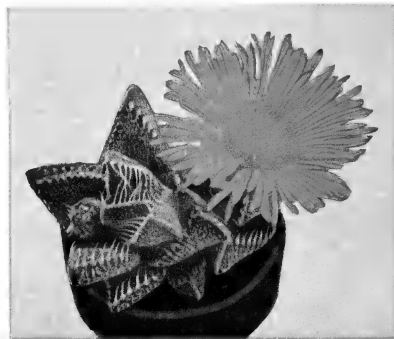
INCH WORM. *Klientia pendula*. A curiosity of the first water. Creeps like a striped Inch Worm. Scarlet carnation-like flowers. **35c**.

WHY NOT SELL CACTI?

Write for my Circular "M" for details. Sell these popular plants in your own home. Make up Cactus Dish Gardens to sell to Gift Shops, Department Stores, roadside stands. You will find a ready sale for your ingenuity and spare time. Stores do not have time or equipment to plant these novelty gardens but find them ready sellers on their counters. No previous training necessary.

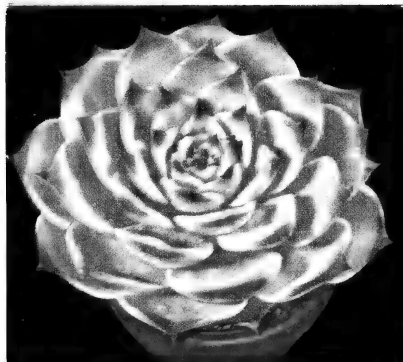
CACTI FOR THE AMATEUR

Your pleasure and interest in your cactus collection will be much increased by learning more about these fascinating plants. This authentic book was written with the beginner in mind, though it is of equal interest to the advanced student. 110 colored pictures, 150 photos. **\$1.05** postpaid. Cloth **\$2.05**.



TIGER JAWS

This fine flowering succulent (*Foucaea tigrina*) should be in your collection. Grows easily, blooms most freely in fall and winter. Each pair of leaves are toothed. Large clusters, several heads. **35c**. Flowering plants..... **17c**



MEXICAN OPAL PLANT

Echeveria cuspidata

This lovely new Echeveria was brought to me recently from Mexico by Dr. Craig, an ardent collector who has made many trips through Mexico in search of new Mamillarias. It grows very easily and keeps its bright red tips and blue white leaves throughout the year. Grows in sun or shade but is brightest in half sun. Enjoys a loamy, well-drained soil and a fair amount of water. **25c**



CHRIST THORN

Euphorbia splendens

The lovely red blossoms are found all the year around. Grows anywhere liking a rich sandy soil and plenty of water. Our Cactus Food will keep it blooming freely. This is the thorny plant supposedly used in the Crucifixion. It is found in Madagascar, the French island off the coast of Africa. An old favorite in window gardens. **25c**
8"-12" 40c. 4"-6"..... **25c**

HUERNIA HYSTRIX. A lovely species with yellow blossoms, the petals lined with red and with hundreds of red-tipped papillae. **35c**.

HUERNIA PRIMULINA. Clusters of primrose yellow bells. Very attractive. **30c**.

HUERNIA CLAVIGERA. **30c**.

HUERNIA LONGITUBA. **30c**.

ECHIDNOPHIS CEREIFORMIS

A stapeliad with long, round, reticulated fingers. Forms a fine specimen. The flowers are small and yellow. **25c**.

TIGER ALOE

Partridge Breast Aloe
Aloe variegata

An old favorite well known to fanciers everywhere. I have some beautiful healthy rooted specimens, the fat leaves finely marked with white and green. Don't fail to have this colorful plant in your collection. Handsome spikes of bright red bells from February to April. They enjoy a very sandy soil or pure sand. Quick growing. Large blooming size 5"-6" \$1.00. Fine plants 2"-3"..... **22c**
35c. Beauties..... **22c**



SCARLET PAINT BRUSH

Rochea falcata. ¾ Nat. size. Gorgeous 5"-9" wide heads of scarlet blossoms in fall. Grows easily anywhere. Curious grey-green, sickle-shaped leaves. Scarce! 5"-6" flowering size only 50c. 2"-2½"..... **15c**



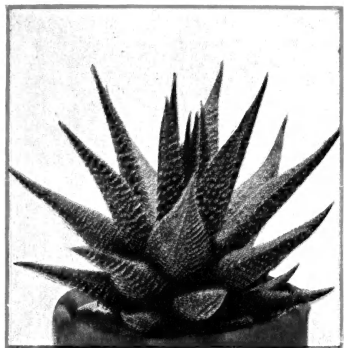
STONE FACE

Lithops pseudotruncatella

An old favorite and the largest of the Stone Faces. Very beautifully marked windows. 4 varieties! **23c**
Each..... **23c**

SUCCULENTS FOR THE AMATEUR

A splendid informative book on these popular plants. 800 succulents described, 400 illustrations, 85 in color, 167 pages crammed with information. Written for the amateur with cultural information and interesting facts. You will not regret possessing this volume. \$1.55 postpaid. Cloth, \$2.10.



WART PLANT

Haworthia subfasciata. Nat. size.

A great favorite and deservedly popular both because of its neat beauty and its being perfectly at home in the window garden. The warts on the leaves are much whiter than shown. I have some nice plants. Large 2 1/2" - 3" at 30c. 1 1/4" - 1 1/2" only 18c

HAWORTHIA

Fascinating succulents belonging to the Lily Family, all native to South Africa. They are small, neat with leathery or fleshy leaves in rosettes and slender spikes of odd white flowers. Grow them a quite sandy soil with plenty of water in summer, rather less in winter and half shade.

WINDOW LEAF. *Haworthia pififera*.

See illustration page 31. A fine variety with a charming pattern on the leaf tips. 21c.

LACE LEAF. *Haworthia tessellata*.

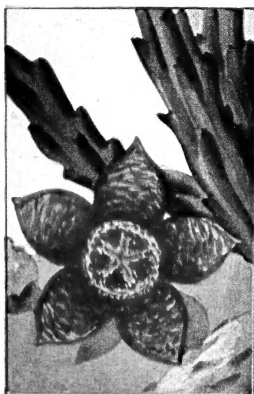
A pretty variety with a lacy pattern of windows on the leaves. Rare. 21c.

HAWORTHIA TURGIDA. A true "Window Plant" with thick leaves of pale green and many transparent windows. Grows easily and produces many offsets. Each 18c.

HAWORTHIA ATROVIRENS. This pretty dwarf window plant is much branched. 25c.

HAWORTHIA COARCTATA. A pagoda-shaped plant with incurved leaves of pale green. Grows upright and suckers at the base. 20c.

HAWORTHIA RIGIDA. A fine deep-green species, the leaves in slow spirals bearing many branches at the base. Large 35c. 1 1/2" 20c.



STARFISH FLOWER

The strange flesh-like petals of this flower are more like members of the animal world than blossoms! Large blooming size, 7-15 arms 35c. Nice branched plants. 25c



MEXICAN FIRECRACKER

The pretty Echeveria setosa is one of my most treasured plants. The soft leaves are covered with white, plush-like hairs. The richly colored flowers last a long time. 18c

ECHEVERIA

Lovely Mexican plants whose name commemorates a Mexican artist. They are vigorous plants, much prized for their colorful rosettes of spoon-shaped leaves and bright blossoms. Mostly native to the cooler mountains where they grow among rocks and brush on steep slopes.

CULTURE. Grow best in half shade though some like the full sun. Give them a rich sandy soil and an abundance of water during the summer.

ECHEVERIA VIOLET QUEEN. A charming species with rosettes of pale violet leaves. This is the first distribution of a sterling plant. A Mexican introduction. 25c.

ECHEVERIA EXPATRIATA. Pale green rosettes. Orange-pink flowers. Only 15c.

ECHEVERIA FUNCKII. Yellow-green rosettes. 20c.

ECHEVERIA GLAUCA-METALLICA. Large glaucous-blue rosettes flushed with red. 25c.

ECHEVERIA LOZANI. Handsome large rosettes of blue-white spoon-shaped leaves tipped with red. A fine specimen. 35c.

ECHEVERIA MULTICAULIS. One of the brightest plants we have, with red and green leaves. Grows upright and branched. Large 25c. 2" - 2 1/2" 15c.

ECHEVERIA NIVULA. Foliage blue-white tinged rose. 15c.

ECHEVERIA NODULOSA. Rare species, red mottled leaves. 30c.

ECHEVERIA PANICULATA. Gray-blue, sharp pointed leaves and panicles of crimson bells. New and attractive. 30c.

ECHEVERIA PUBESCENS. Tall growing. 20c.



PLOVER EGGS

Adromischus Cooperi

A most fascinating and lovely little plant with fat round leaves beautifully marbled with maroon. They form small clusters and have tall spikes of small pink or white blossoms one of which is seen starting in the center of the plant above. Grows easily liking sun to bring out the brightest mottling. Each 50c



ROYAL STARFISH

The huge flowered Stapelia nobilis with velvety stems often almost purple in color. Flowers light yellow and red. 40c



CHENILLE PLANT

Echeveria pulvinata

No need to describe this brilliant succulent. The leaves are softly plush-covered, the margins rimmed with red. The buds as shown above develop into brilliant, fiery orange-red blossoms in January and February lasting many weeks in full perfection. It thrives in partial shade but needs plenty of light to bring the lovely colors out to the full. Likes a rich, light soil and plenty of water. Found in the mountains of Mexico. Fine flowering size. 25c

ECHEVERIA PULVI-CARN. Plush-lined leaves. Grows tall with deep crimson flower spikes. 20c.

ECHEVERIA PULVI-COX. Plush-lined leaves. 20c.

ECHEVERIA PULV-OLIVER. Handsome red-flushed leaves. 20c.

ECHEVERIA SET-OLIVER. Extremely pretty with handsome velvety leaves flushed with dark red. Fine orange-red blossoms on short spikes. Very pretty. 25c.

ECHEVERIA ROSEA GRANDIS. Forms heads as large as a cabbage. Beautiful wavy leaves tinged copper with red-rimmed margin. 25c.

URBINIA

Similar to Echeveria in appearance and culture.

URBINIA AGAVOIDES. Lovely plants of pale green, the leaves in spreading rosettes. 20c.

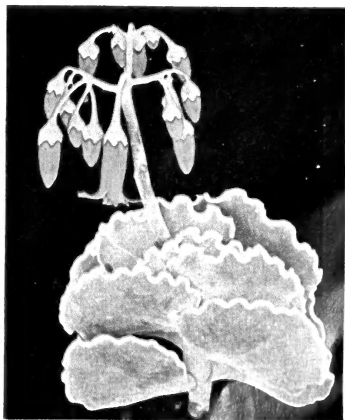
URBINIA CORDEROVI. A pretty red-tipped species. 20c.

URBINIA PURPUSII. Blue-grey. 35c.

SILVER CROWN

Cotyledon undulata

A handsome succulent with wavy margined leaves thickly covered with white powder. It has long been among the choicest possessions of the collector. Grows easily in a fertile soil. Each 23c





RAINBOW BUSH

Portulacaria Afra Var. Tricolor

A lovely, rainbow-hued plant of yellow, cream, pink, and green. Each dainty leaf closely attached to the fat mahogany-red, jointed stems. Grows slowly and becomes quite bushy. Its attractive coloration will stand out among the plain greens. Likes a rich, loamy soil and generous treatment. Each 4"-5" branched. **25c**

ALOE

No Succulents surpass the Aloes in splendor of bloom or number of interesting species. They abound in South Africa, varying in size from the small Tiger Aloe to fine tree-like kinds 30"-40" in height. All are pretty as small plants with their striped or spotted leaves and every collection should have them no matter how small, for they grow so very easily. Most of them bloom during winter.

CULTURE. They thrive with ordinary care, not being particular as to soil or water. In summer they like as much light as possible.

MARLOTH'S ALOE, A. Marlothii. One of the finest of all the Aloes both in flower and plant. The wide leaves are blue-green, covered on both surfaces with brown prickles, making a very arresting specimen. The flowers are bright orange colored in a many-branched spike. It is particularly choice as a small plant and I fully recommend it. A few plants only. **20c.**

ALOE AFRICANA. See illustration Page 31. A fine, quick-growing variety that grows upright, forming a trunk quickly. Each **15c.**

ALOE ARISTATA. An aristocrat for the window, never growing large, with white-toothed leaves and pretty spikes of red flowers in summer. 3" **50c.**

ALOE AUSANA. Like Tiger Aloe. **25c.**

ALOE MICROSTIGMA. Fine white dotted leaves. **22c.**

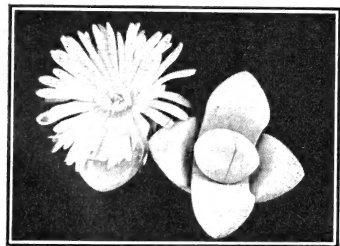
ALOE PLICATILIS. A choice collector's plant, forming a grand, much-branched specimen. Large plants 15"-18", **\$2.00.**

ALOE SPINOSISSIMA. Handsome red spikes of flowers in January! 6"-8" specimens **50c.** Small **15c.**

ALOE BEGUINII. A pretty variety with white dotted and warty leaves. **20c.**

Aloe Heteracantha 20c; Aloe Ferox 20c; Aloe Pratensis 20c; Aloe Aculeata 20c.

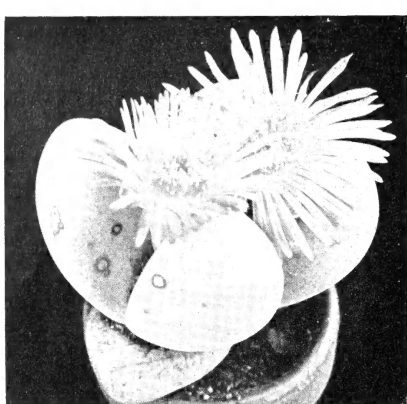
BULBINE CAULESCENS. Spikes, yellow flowers. **20c. B. TRIEBNERI.** White. **25c.**



KARROO ROSE

Lapidaria Margaretae

A flowering stone from the Karroo, where it grows among quartz pebbles, among which it is very difficult to see. The whole plant is of a lovely milky white suffused with rose, the leaves very smooth. The blossoms are of a very rich corn yellow and appear on plants the size of the photo. Closely related to Dinteranthus. Likes a very sandy loam soil, keeping dry in the winter. Flowers in November. Found in South Africa. Very rare. **25c**



FLOWERING STONES

Dinteranthus

These mimicry plants should be in every select collection. They resemble smooth quartz stones of a pleasing milk-white, often flushed with violet or rose and minutely punctate. They flower when quite small, the blossoms bright corn yellow. Sandy soil and little water while resting.

DINTERANTHUS INEXPECTATUS. Nice plants. **25c.**

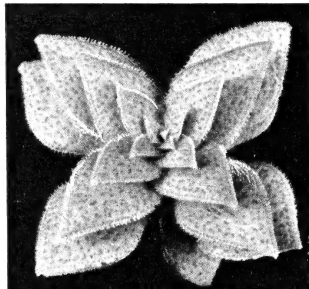
DINTERANTHUS MICROSPERMUS. **25c.**

DINTERANTHUS PUBERULUS. **25c.**

BABY TOES

Fenestraria rhopalophylla

One of the rarest of the "Window Plants." The top of each toe-shaped leaf is quite transparent. In the wilds it grows buried in the sand near the coast in Southwest Africa. Only the tips of the leaves are visible, the charming white flowers resting on the sand. Grow them in almost pure sand or sandy loam. We ship in small pots which should be placed in a larger 3"-4" pot with sand between. Keep dry in winter. Nice plants with pots. **50c**



ST. ANDREW'S CROSS

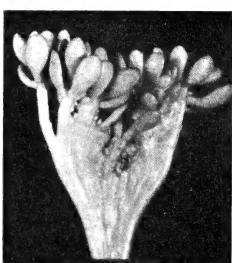
Crassula Triebneri, Nat. Size

The pale green, dotted leaves are arranged in a cross and in winter are often flushed rose red. Grows easily, flowering in late spring and summer. Since every plant flowers, no matter how small, I can offer plants like the photo only during winter and spring. Nice plants. **20c**

ORANGE BABY TOES

Fenestraria aurantiaca

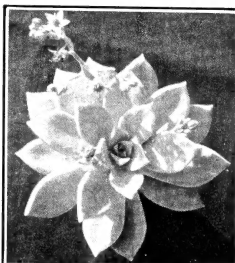
Another Baby Toes with orange blossoms and flatter topped, more angled and shorter leaves. Fine potted plants. **50c**



COCKSCORN SEDUM

Sedum praecatum cristatum

An interesting fasciated form, the stems sometimes being 6" wide. Makes a nice specimen in a pot and does best in very sandy, poor soil with an occasional feeding of fertilizer to keep it green. I have a few nice plants, only **17c**



GHOST PLANT

Byrnesia Weinbergii

One of the best known succulents and certainly one of the most useful. It is a very graceful plant particularly with age when the curving, pendant stems display their rosettes of leaves in a most informal way. **18c**
Stand much neglect

SAND ROSES

Anacampseros

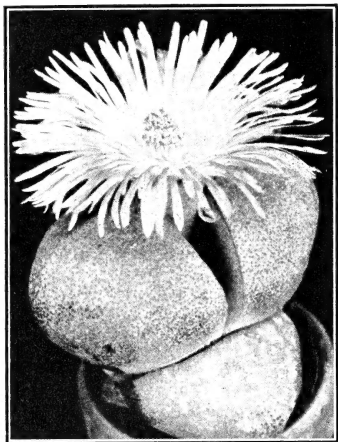
Some quite fascinating small succulents belong to this little known genus. The ones listed are quite easily grown in a sandy soil and do well in either full sun or part shade. Several kinds may be grown in a pot together. They flower in the summer; the blossoms of some are an inch across and look like baby roses. Long lived.

LOVE PLANT, Anacampseros lanceolata. One of the largest species with long leaves interspersed with bristly hairs. Grows very easily and the large, brilliant pink roses are freely borne. **19c.**

ANACAMPSEROS TOMETOSA. One of the cobweb varieties, the plant being covered with cobwebby hairs. The leaves are truncate, the triangular tips overlapping like tiles on a roof. Flowers pink. A very nice long-lived specimen. **17c.**

ANACAMPSEROS TELEPHIASTRUM. Large red flowers and quite large, oval, short pointed leaves with long hairs in the axils. **25c.**

ANACAMPSEROS RUFESCENS. The large bright flowers are light red, the triangular leaves tinged bronze. Stems elongated. Very choice plant. **21c.**



SPLIT ROCK

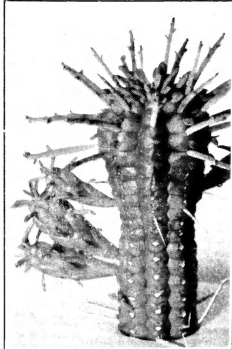
Pleiospilus Nelii, Nat. Size

One of the finest of the mimicry or stone-like plants and one of the easiest succulents to grow. The fat granite-grey leaves grow naturally among similar grey rocks to hide them from the baboons and ostriches who are fond of them. They are visible on the veld only when they are crowned with their pretty amber blossoms in March. They often flower the first season. As a curiosity for your friends, place the plant among similar stones. Large 1½"-2" **50c.** **18c**
1½"-1½" **25c.** ¾"-1" **17c.**

GASTERIA

Ox Tongue

The varying colors, shapes and markings of the leaves are the fascinating features of the plants but you have a bonus in the lovely spikes of pink bells they so freely produce in the summer. Turn to rear cover for listings.



CORN COB

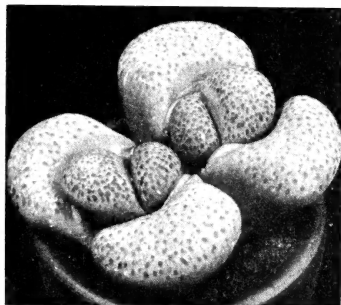
Like the photo **17c**



ARAB'S TURBAN

Crassula hemispherica. Nat. size.

One of the oddest of all and very easy to grow. Likes a light, well-drained soil and partial shade. May be watered freely. It is found in grassy fields near Living Rocks in South Africa. Large plants 25c; 1 1/2" 19c



LITHOPS PEERSII

Another of the variations to be found in this fascinating genus. They have an allure all their own and a collection of them is a source of continual pleasure. A collection of 10 may be planted in a 4" pot. See page 30. 25c

SEDUM

Sedum Adolphii. The whole plant is golden yellow. 15c.

Red Tips. Sedum pachyphyllum. Bead-like leaves tipped red. 15c.

Dwarf Pines. Sedum multi-iceps. Like tiny branched pine trees. 20c.

Sedum Treleaseii. Powdered white leaves. 18c.

Sedum Sieboldii. Beautiful pink flowers. Pendant stems. 21c.

AEONIUM TABULAEFORME

The true and rare species. Only a few plants. Perfectly flat disks to 10" across! Nice young plants 50c.



ECHEVERIA GILVA

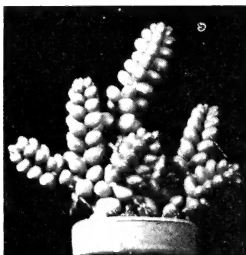
A pretty Echeveria whose pale green leaves turn red in the autumn sun. A very popular and easily grown plant looking like a large green rose! Comes from Mexico, where it grows in the mountains and will stand many degrees of frost. All the Echeverias are good house plants, standing shade and moisture well, and always look fresh and bright. Large plants 23c; 2 1/2" 17c



SILVER BEADS

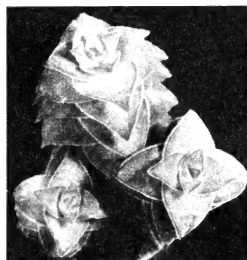
Crassula Deltoidea, Nat. Size

A quaint, tiny, tree-like Crassula with thick, white-powdered, bead-like leaves. The beads are strung on a thick stem. In the summer each branch bears a 2" head of pretty pink blossoms! Easy to grow. Likes sun. 2 1/2"-5" branched 20c. Smaller 15c



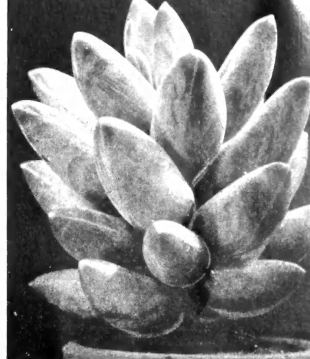
CORAL BEADS

Every bead is bright red! Every bead that falls will grow! Grows anywhere but is brightest red in sun. 15c.



PAGODA PLANT

A fine Crassula with thick, 4-ranked leaves strung like the Necklace Vine to which it is related. 17c.



TOWER OF JEWELS

Pachyphyllum compactum

An attractive variety with fat blue-green leaves prettily marked with olive grey. In the summer they have lovely spikes of red blossoms. The plants attain 6" in height and make the specimens for many years, branching from the base. Native to the mountains of Mexico. We list two other very different species on the back cover. Large 25c. 1 1/2" 15c

CRASSULA

A large African group with many very curious members such as the Arab's Turban, Necklace Vine, Rattlesnake, etc. Most are easy to grow in a light, sandy, fertile soil and they like a light, airy situation.

BEAD VINE. *Crassula rupestris*. Handsome heads of pink flowers. Thick, button-like leaves as though strung on a string. 17c.

CRASSULA DECIPENS. You will like this choice plant. The fat leaves are covered with short, stiff white hairs. Likes lots of light. Grows quickly, bearing interrupted spikes of white flowers. Each 15c.

CRASSULA CORDATA. Pretty spotted, heart-shaped leaves almost white. Only 17c.

CRASSULA JUSTI-CORDEROYI. A beauty and it flowers freely! Flat-topped heads of pink blossoms lasting for weeks. Flowers very freely in the summer, the plants being only 3"-4" tall. Likes a little shade. Very choice. 20c.

CRASSULA LYCOPODIODES. The Princess Pine. Grows easily, with curious overlapping leaves. Nice. 15c.

CRASSULA PSEUDOLYCOPODIODES. More compact growing with stiffer leaves. 15c.

Crassula Trachysantha 15c; *Crassula Tomentosa* 25c; *Crassula Tetragona* 15c.

CRASSULA COLLECTION N 22

6 *Crassulas*. Arab's Turban, Scarlet Paint Brush, Japanese Pine, Princess Pine, Bead Vine, *Crassula Decipiens*. 60c.

COTYLDON

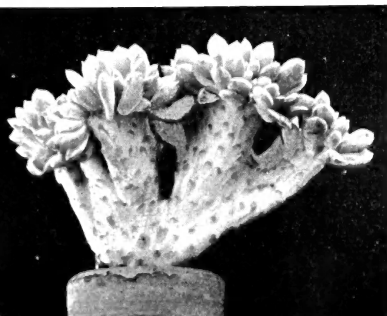
See rear cover.

KALANCHOE

See rear cover.

AIR PLANTS

See rear cover.



At Left

COCKSCOMB PLANT

Pachyveria clavifolia cristata

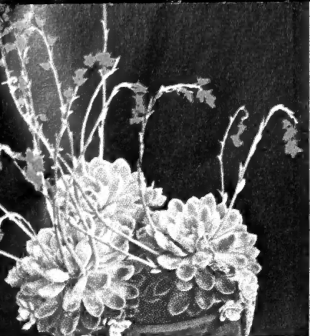
The stems are very much crested and wavy, bearing on their crests blue-white bead leaves. Will reach 6" in diameter. Large 1 1/2" each, 50c; 2 1/2" 29c. Nice crests. 19c

At Right

OUR CACTI IN ALASKA

Mrs. E. S. Sande of Box 1988, Ketchikan, Alaska, has kindly sent us some photographs of her most interesting collection of cacti. They are a pleasure during the long winter months of her northern home. Our farthest north customer is at Ft. Barrow, Alaska.





MEXICAN GEM

Echeveria elegans
This popular plant has lovely blue-white leaves and charming spikes of flowers. Grows very easily under almost all conditions. The more sun it gets the whiter it becomes. Large flowering size—25c.
Small flowering size—17c

UMBRELLA FLOWERS

Ceropegia

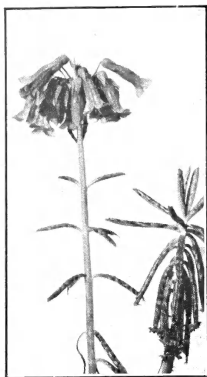
Curious vines from tropical Africa. The flowers are odd and very pretty.

UMBRELLA FLOWER. *Ceropegia Woodii*. A lovely species with hanging chains of thick heart-shaped leaves variegated silver and green, red beneath. Flowers freely. Bears tubers! 20c.

SPIDER FLOWER. *Ceropegia stapeliiformis*. Twining stems, lovely flowers. 37c.
CEROPEGIA RADICANS. Pretty green, white and brown flowers. Grows easily. Fine plant for hanging baskets. Stems creeping, flowers all summer. 25c.

PARACHUTE FLOWER. *Ceropegia Sandersoni*. Beautiful and odd flowers with a white parachute! 75c.

CEROPEGIA BARKLEYI. Variegated leaves. Tuberos. 20c. *Ceropegia debilis*. Narrow leaves. Brown flowers. 20c. *Ceropegia cafrorum*. Long pendant stems. 20c.



GASTERIA

Gasteria maculata. A handsome species with glossy, thick leaves heavily marbled with silver green. Very desirable. Large 30c. 2" 3" 35c.

Gasteria acinacifolia 35c. 50c. *G. carinata* 35c. *G. disticha* 75c. *G. picta* 25c. *G. sulcata* 25c. *G. trigona* 25c.
Collection 5 species my selection \$1.00.

PACHYPHYTUM

Fine thick leaved plants related to *Echeveria*. They require same treatment. *Pachyphytum brevifolium*. A pretty variety, leaves blue-white flushed with red with red flowers. Fine 20c.

PACHYPHYTUM oviferum. Handsome. Round, pure white, powdered leaves! Very attractive. Red flowers! 25c.



AIR PLANT

Lovely red bells at Xmas. Bears young plants on the leaf tips! Easily grown. 15c.

A NEW TIGERS JAWS

Faucaria hooliae

Many new species have recently been imported. This one is very interesting with widely spaced teeth and bright yellow blossoms. Easily grown. 23c.

COLLECTION OF 10 TIGER JAWS. LABELLED \$1.10

KALANCHOE

A fine decorative group from Madagascar and Africa.

Panda Plant. *Kalanchoe tomentosa*. See page 3.

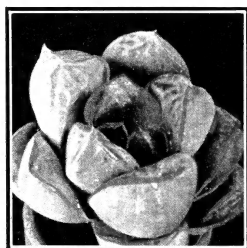
Velvet Leaf. *K. beharensis*. Velvet leaves chestnut above, silvery beneath. 35c.

K. Blossfeldiana. Gorgeous large red blossoms in big heads. Fine. 25c. **K. Engleri.** 25c. **K. gummifera.** 15c. **K. somaliensis.** Leaves in winter turn red. 15c.

COTYLEDON

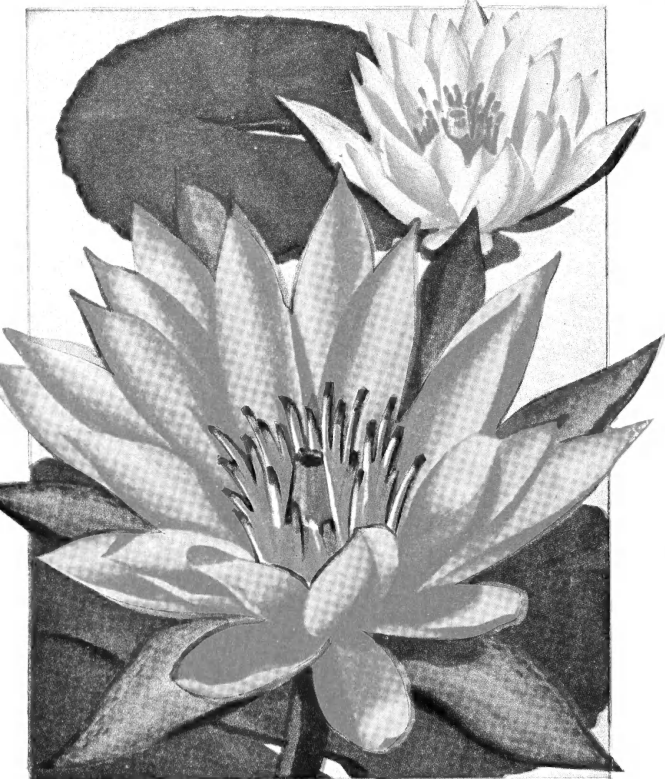
Related to *Echeveria*. Native of Africa.

Cotyledon decussata—17c. **C. Flanaganii**—19c. **C. orbiculata**—17c. **C. reticulata.** Rare. Leaves—20c. **C. oophylla**—25c. **C. X. Walkeri.** Red rimmed Silver Crown—21c.



WINDOW PLANT

Haworthia cymbiformis
A true "Window Plant." Grows easily and with its windows a great curiosity. 17c



BLUE BEAUTY WATER LILY

Large 2 year old plants \$2.25

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